



**STL Sacramento**  
880 Riverside Parkway  
West Sacramento, CA 95605

Tel: 916 373 5600 Fax: 916 372 1059  
[www.stl-inc.com](http://www.stl-inc.com)

June 28, 2006

**STL SACRAMENTO PROJECT NUMBER: G6F090224**  
PO/CONTRACT: 129682.001/Event 83

Guy Graening  
Brown and Caldwell  
10540 White Rock Road  
Suite 180  
Rancho Cordova, CA 95670

Dear Mr. Graening,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on June 9, 2006. These samples are associated with your Event 83 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,

A handwritten signature in black ink, appearing to read "K Dahl".

Karen Dahl  
Project Manager

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## CASE NARRATIVE

### STL SACRAMENTO PROJECT NUMBER G6F090224

#### **AIR, PM-10**

The final weight for sample 8 was less than the initial weight so this result was reported as 'ND'.

There were no other anomalies associated with this project.



### STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

\*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):**

An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

# Sample Summary

## G6F090224

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
H64GW	1	P-0660	6/7/2006 09:55 AM	6/9/2006 09:05 AM
H64G5	2	P-0661	6/7/2006 10:20 AM	6/9/2006 09:05 AM
H64G6	3	P-0662	6/7/2006 10:30 AM	6/9/2006 09:05 AM
H64G7	4	P-0663	6/7/2006 10:45 AM	6/9/2006 09:05 AM
H64G8	5	P-0664	6/7/2006 11:05 AM	6/9/2006 09:05 AM
H64G9	6	P-0665	6/7/2006 11:10 AM	6/9/2006 09:05 AM
H64HA	7	P-0666	6/7/2006 10:05 AM	6/9/2006 09:05 AM
H64HC	8	P-0667	6/7/2006 11:15 AM	6/9/2006 09:05 AM
H64HD	9	000487	6/7/2006 10:00 AM	6/9/2006 09:05 AM
H64HG	10	000488	6/7/2006 10:25 AM	6/9/2006 09:05 AM
H64HH	11	000489	6/7/2006 10:35 AM	6/9/2006 09:05 AM
H64HJ	12	000490	6/7/2006 10:50 AM	6/9/2006 09:05 AM
H64HK	13	000491	6/7/2006 11:00 AM	6/9/2006 09:05 AM
H64HL	14	000492	6/7/2006 11:20 AM	6/9/2006 09:05 AM
H64HM	15	000493	6/7/2006 10:10 AM	6/9/2006 09:05 AM

### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight



## BROWN AND CALDWELL

## CHAIN OF CUSTODY RECORD

COC No. \_\_\_\_\_

3264 Goni Road / Suite 153  
 Carson City, NV 89706  
 775-883-4118 / FAX 775-883-5108

4425 W. Spring Mountain Road / Suite 225  
 Las Vegas, NV 89102  
 702-938-4080 / FAX 702-938-4082

Event 83  
 201 East Washington Street / Suite 300  
 Phoenix, AZ 85004  
 602-567-4000 / FAX 602-567-4001

PROJECT NAME: Yerington Air City  
 PROJECT NUMBER: 121243

LINE NO.	SAMPLE - I.D.	COLLECTION DATE	TIME	SAMPLES	NUMBER OF CONTAINERS	CONTAINER SIZE AND TYPE	PRESER-	MATRIX CODE	ANALYSES REQUESTED		FIELD FILTERED QC - REC	SAMPLING METHOD	DEPTH (FT.) BEGIN END
									PM	PPM			
01	-000487	07/06/00	10:00	MS	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)		0.26		---
02	-000488	07/06/00	10:25		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)		0.30		---
03	-000489	07/06/00	10:35		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)		0.34		---
04	-000490	07/06/00	10:40		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)		0.24		---
05	-000491	07/06/00	11:00		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)		0.30		---
06	-000492	07/06/00	11:20		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)		0.28		---
07	-000493	07/06/00	10:10	V	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)		0.24		---
08				V	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)		---		---
09													---
10													---
COLLECTED & RELEASED BY: <i>John M. Yerington</i>	DATE: 07/06/00	TIME: 10:00		COOLER I.D.: 1050									COMMENTS (see note on back):
RECEIVED BY: <i>John M. Yerington</i>	DATE: 07/06/00	TIME: 10:50		RELINQUISHED BY:									
RECORD RETURNED BY: <i>JED</i>	DATE: / /	TIME: :		SHIPPING NUMBER: 192764469552									
COURIER: <i>JED</i>													

DISTRIBUTION: WHITE - PROJECT FILE • CANARY - LAB RECEIPT • PINK - DATA MANAGEMENT • GOLDENROD - FIELD  
 USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

SEVERN  
TRENT

STL

LOT RECEIPT CHECKLIST  
STL Sacramento

CLIENT Brown E Caldwell PM PD LOG # 39328

LOT# (QUANTIMS ID) GleF04D22Y QUOTE# 62684 LOCATION Ac

DATE RECEIVED 6/9/06 TIME RECEIVED 0905

Initials DN Date 6/9/06

- DELIVERED BY  FEDEX  CA OVERNIGHT  CLIENT  
 AIRBORNE  GOLDENSTATE  DHL  
 UPS  BAX GLOBAL  GO-GETTERS  
 STL COURIER  COURIERS ON DEMAND  
 OTHER

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) \_\_\_\_\_

SHIPPING CONTAINER(S)  STL  CLIENT  N/A

TEMPERATURE RECORD (IN °C) IR 1  3  OTHER N/A

COC #(S) \_\_\_\_\_

TEMPERATURE BLANK Observed: \_\_\_\_\_ Corrected: \_\_\_\_\_

SAMPLE TEMPERATURE

Observed: Ambient Average: \_\_\_\_\_ Corrected Average: \_\_\_\_\_

COLLECTOR'S NAME:  Verified from COC  Not on COC

pH MEASURED  YES  ANOMALY  N/A

LABELED BY \_\_\_\_\_

LABELS CHECKED BY \_\_\_\_\_

PEER REVIEW  N/A

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  N/A

Clouseau  TEMPERATURE EXCEEDED (2 °C – 6 °C)\*  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED

PM NOTIFIED

Notes: \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is  $\leq 4^{\circ}\text{C}$ .

Lot

ID:

G6F090224

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
"CT																				
Encore																				
Folder/filter	/															/				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

1    2    3    4    5    6    7    8    9    10    11    12    13    14    15    16    17    18    19    20

h = hydrochloric acid   s = sulfuric acid   na = sodium hydroxide

n = nitric acid

zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOAs

# AIR, Metals – Various Methods

Brown and Caldwell

Client Sample ID: P-0660

**TOTAL Metals**

<b>Lot-Sample #....:</b>	<b>G6F090224-001</b>			<b>Matrix.....:</b>	<b>AIR</b>
<b>Date Sampled....:</b>	<b>06/07/06</b>			<b>Date Received...:</b>	<b>06/09/06</b>
<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>
<b>Prep Batch #....:</b>	<b>6171370</b>				<u>WORK ORDER #</u>
Silver	0.034 B	1.2	ug	SW846 6020	06/20-06/21/06 H64GW1AH
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64GW1AJ
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	06/20-06/21/06 H64GW1AK
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.015 B	1.2	ug	SW846 6020	06/20-06/21/06 H64GW1AL
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	ND	1.2	ug	SW846 6020	06/20-06/21/06 H64GW1AM
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64GW1AN
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64GW1AP
		Dilution Factor: 1		MDL.....: 10.3	
Copper	16.4	6.0	ug	SW846 6020	06/20-06/21/06 H64GW1AQ
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	19.6	6.0	ug	SW846 6020	06/20-06/21/06 H64GW1AR
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	1.3 B	6.0	ug	SW846 6020	06/20-06/21/06 H64GW1AT
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64GW1AU
		Dilution Factor: 1		MDL.....: 3.5	
Lead	0.97 B	1.2	ug	SW846 6020	06/20-06/21/06 H64GW1AV
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64GW1AW
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	5.1 B,J	12.0	ug	SW846 6020	06/20-06/21/06 H64GW1AX
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0660

**TOTAL Metals**

Lot-Sample #....: G6F090224-001

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Zinc	6.3 B	24.0	ug	SW846 6020	06/20-06/21/06	H64GW1A0	
		Dilution Factor:	1	MDL.....: 6.2			

Prep Batch #....: 6171380

Aluminum	210 B	240	ug	SW846 6010B	06/20-06/27/06	H64GW1AC
		Dilution Factor:	1	MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64GW1AD
		Dilution Factor:	1	MDL.....: 898		
Iron	225	120	ug	SW846 6010B	06/20-06/27/06	H64GW1AE
		Dilution Factor:	1	MDL.....: 14.4		
Magnesium	154 B	600	ug	SW846 6010B	06/20-06/27/06	H64GW1AF
		Dilution Factor:	1	MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64GW1AG
		Dilution Factor:	1	MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	ND	0.12	ug	SW846 7471A	06/21/06	H64GW1A1
		Dilution Factor:	1	MDL.....: 0.00036		

**NOTE (S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0661

**TOTAL Metals**

<b>Lot-Sample #....:</b>	<b>G6F090224-002</b>			<b>Matrix.....:</b>	<b>AIR</b>
<b>Date Sampled....:</b>	<b>06/07/06</b>			<b>Date Received...:</b>	<b>06/09/06</b>
<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>
<b>Prep Batch #....:</b>	<b>6171370</b>				<u>WORK ORDER #</u>
Silver	0.035 B	1.2	ug	SW846 6020	06/20-06/21/06 H64G51AK
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64G51AL
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	06/20-06/21/06 H64G51AM
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.023 B	1.2	ug	SW846 6020	06/20-06/21/06 H64G51AN
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	ND	1.2	ug	SW846 6020	06/20-06/21/06 H64G51AP
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64G51AQ
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64G51AR
		Dilution Factor: 1		MDL.....: 10.3	
Copper	16.8	6.0	ug	SW846 6020	06/20-06/21/06 H64G51AT
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	18.0	6.0	ug	SW846 6020	06/20-06/21/06 H64G51AU
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	1.2 B	6.0	ug	SW846 6020	06/20-06/21/06 H64G51AV
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64G51AW
		Dilution Factor: 1		MDL.....: 3.5	
Lead	1.1 B	1.2	ug	SW846 6020	06/20-06/21/06 H64G51AX
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64G51AO
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	5.1 B,J	12.0	ug	SW846 6020	06/20-06/21/06 H64G51A1
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0661

**TOTAL Metals**

Lot-Sample #....: G6F090224-002

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	06/20-06/21/06	H64G51AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6171380

Aluminum	296	240	ug	SW846 6010B	06/20-06/27/06	H64G51AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64G51AF
		Dilution Factor: 1		MDL.....: 898		
Iron	296	120	ug	SW846 6010B	06/20-06/27/06	H64G51AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	182 B	600	ug	SW846 6010B	06/20-06/27/06	H64G51AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64G51AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	0.0048 B	0.12	ug	SW846 7471A	06/21/06	H64G51AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0662

**TOTAL Metals**

Lot-Sample #....:	G6F090224-003			Matrix.....:	AIR
Date Sampled....:	06/07/06			Date Received..:	06/09/06
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE    WORK ORDER #
Prep Batch #....:	6171370				
Silver	0.024 B	1.2	ug	SW846 6020	06/20-06/21/06 H64G61AK
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64G61AL
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	06/20-06/21/06 H64G61AM
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	ND	1.2	ug	SW846 6020	06/20-06/21/06 H64G61AN
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	0.067 B	1.2	ug	SW846 6020	06/20-06/21/06 H64G61AP
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64G61AQ
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64G61AR
		Dilution Factor: 1		MDL.....: 10.3	
Copper	26.0	6.0	ug	SW846 6020	06/20-06/21/06 H64G61AT
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	9.4	6.0	ug	SW846 6020	06/20-06/21/06 H64G61AU
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64G61AV
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64G61AW
		Dilution Factor: 1		MDL.....: 3.5	
Lead	1.1 B	1.2	ug	SW846 6020	06/20-06/21/06 H64G61AX
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64G61A0
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	5.0 B,J	12.0	ug	SW846 6020	06/20-06/21/06 H64G61AI
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0662

**TOTAL Metals**

Lot-Sample #....: G6F090224-003

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	MDL.....: 6.2	06/20-06/21/06	H64G61AA

Prep Batch #....: 6171380

Aluminum	164 B	240	ug	SW846 6010B	MDL.....: 40.8	06/20-06/27/06	H64G61AE
		Dilution Factor: 1					
Calcium	ND	3000	ug	SW846 6010B	MDL.....: 898	06/20-06/27/06	H64G61AF
		Dilution Factor: 1					
Iron	198	120	ug	SW846 6010B	MDL.....: 14.4	06/20-06/27/06	H64G61AG
		Dilution Factor: 1					
Magnesium	137 B	600	ug	SW846 6010B	MDL.....: 97.2	06/20-06/27/06	H64G61AH
		Dilution Factor: 1					
Sodium	ND	6000	ug	SW846 6010B	MDL.....: 2020	06/20-06/27/06	H64G61AJ
		Dilution Factor: 1					

Prep Batch #....: 6172363

Mercury	0.0048 B	0.12	ug	SW846 7471A	MDL.....: 0.00036	06/21/06	H64G61AC
		Dilution Factor: 1					

**NOTE (S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0663

**TOTAL Metals**

<b>Lot-Sample #....:</b>	<b>G6F090224-004</b>			<b>Matrix.....:</b>	<b>AIR</b>
<b>Date Sampled....:</b>	<b>06/07/06</b>			<b>Date Received...:</b>	<b>06/09/06</b>
<b>PARAMETER</b>	<b>RESULT</b>	<b>REPORTING LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>PREPARATION- ANALYSIS DATE</b>
<b>Prep Batch #....:</b>	<b>6171370</b>				<b>WORK ORDER #</b>
Silver	0.017 B	1.2	ug	SW846 6020	06/20-06/21/06 H64G71AK
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64G71AL
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	06/20-06/21/06 H64G71AM
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.011 B	1.2	ug	SW846 6020	06/20-06/21/06 H64G71AN
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	ND	1.2	ug	SW846 6020	06/20-06/21/06 H64G71AP
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64G71AQ
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64G71AR
		Dilution Factor: 1		MDL.....: 10.3	
Copper	18.0	6.0	ug	SW846 6020	06/20-06/21/06 H64G71AT
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	11.9	6.0	ug	SW846 6020	06/20-06/21/06 H64G71AU
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64G71AV
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64G71AW
		Dilution Factor: 1		MDL.....: 3.5	
Lead	1.2	1.2	ug	SW846 6020	06/20-06/21/06 H64G71AX
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64G71A0
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	5.1 B,J	12.0	ug	SW846 6020	06/20-06/21/06 H64G71AI
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0663

**TOTAL Metals**

Lot-Sample #....: G6F090224-004

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	06/20-06/21/06	H64G71AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6171380

Aluminum	240	240	ug	SW846 6010B	06/20-06/27/06	H64G71AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64G71AF
		Dilution Factor: 1		MDL.....: 898		
Iron	298	120	ug	SW846 6010B	06/20-06/27/06	H64G71AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	181 B	600	ug	SW846 6010B	06/20-06/27/06	H64G71AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64G71AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	0.0090 B	0.12	ug	SW846 7471A	06/21/06	H64G71AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0664

**TOTAL Metals**

<b>Lot-Sample #....:</b>	<b>G6F090224-005</b>			<b>Matrix.....:</b>	<b>AIR</b>
<b>Date Sampled....:</b>	<b>06/07/06</b>			<b>Date Received...:</b>	<b>06/09/06</b>
<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>
<b>Prep Batch #....: 6171370</b>					
Silver	0.014 B	1.2	ug	SW846 6020	06/20-06/21/06 H64G81AK
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64G81AL
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	06/20-06/21/06 H64G81AM
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.020 B	1.2	ug	SW846 6020	06/20-06/21/06 H64G81AN
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	ND	1.2	ug	SW846 6020	06/20-06/21/06 H64G81AP
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64G81AQ
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64G81AR
		Dilution Factor: 1		MDL.....: 10.3	
Copper	17.6	6.0	ug	SW846 6020	06/20-06/21/06 H64G81AT
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	11.3	6.0	ug	SW846 6020	06/20-06/21/06 H64G81AU
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64G81AV
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64G81AW
		Dilution Factor: 1		MDL.....: 3.5	
Lead	1.1 B	1.2	ug	SW846 6020	06/20-06/21/06 H64G81AX
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64G81AO
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	5.1 B,J	12.0	ug	SW846 6020	06/20-06/21/06 H64G81AI
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0664

**TOTAL Metals**

Lot-Sample #....: G6F090224-005

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	06/20-06/21/06	H64G81AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6171380

Aluminum	246	240	ug	SW846 6010B	06/20-06/27/06	H64G81AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64G81AF
		Dilution Factor: 1		MDL.....: 898		
Iron	376	120	ug	SW846 6010B	06/20-06/27/06	H64G81AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	175 B	600	ug	SW846 6010B	06/20-06/27/06	H64G81AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64G81AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	0.0090 B	0.12	ug	SW846 7471A	06/21/06	H64G81AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE (S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0665

## TOTAL Metals

Lot-Sample #....: G6F090224-006

Matrix.....: AIR

Date Sampled...: 06/07/06

Date Received...: 06/09/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>Prep Batch #....: 6171370</b>						
Silver	0.017 B	1.2	ug	SW846 6020	06/20-06/21/06	H64G91AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64G91AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/20-06/21/06	H64G91AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.020 B	1.2	ug	SW846 6020	06/20-06/21/06	H64G91AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/20-06/21/06	H64G91AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64G91AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64G91AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	21.2	6.0	ug	SW846 6020	06/20-06/21/06	H64G91AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	14.5	6.0	ug	SW846 6020	06/20-06/21/06	H64G91AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64G91AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64G91AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	0.99 B	1.2	ug	SW846 6020	06/20-06/21/06	H64G91AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64G91AO
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	5.1 B,J	12.0	ug	SW846 6020	06/20-06/21/06	H64G91AI
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0665

**TOTAL Metals**

Lot-Sample #....: G6F090224-006

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	ANALYSIS DATE	06/20-06/21/06	ORDER #
		Dilution Factor: 1		MDL.....: 6.2			H64G91AA

Prep Batch #....: 6171380

Aluminum	289	240	ug	SW846 6010B	06/20-06/27/06	H64G91AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64G91AF
		Dilution Factor: 1		MDL.....: 898		
Iron	331	120	ug	SW846 6010B	06/20-06/27/06	H64G91AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	198 B	600	ug	SW846 6010B	06/20-06/27/06	H64G91AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64G91AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	0.0078 B	0.12	ug	SW846 7471A	06/21/06	H64G91AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE (S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0666

**TOTAL Metals**

<b>Lot-Sample #....:</b>	<b>G6F090224-007</b>				<b>Matrix.....:</b>	<b>AIR</b>
<b>Date Sampled....:</b>	<b>06/07/06</b>				<b>Date Received..:</b>	<b>06/09/06</b>
<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #....:</b>	<b>6171370</b>					
Silver	0.014 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HA1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64HA1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/20-06/21/06	H64HA1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.0084 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HA1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/20-06/21/06	H64HA1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64HA1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64HA1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	19.0	6.0	ug	SW846 6020	06/20-06/21/06	H64HA1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	11.3	6.0	ug	SW846 6020	06/20-06/21/06	H64HA1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64HA1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64HA1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	0.98 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HA1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64HA1AO
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	4.8 B,J	12.0	ug	SW846 6020	06/20-06/21/06	H64HA1A1
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0666

**TOTAL Metals**

Lot-Sample #....: G6F090224-007

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	MDL.....: 6.2	06/20-06/21/06	H64HA1AA

Prep Batch #....: 6171380

Aluminum	202 B	240	ug	SW846 6010B	06/20-06/27/06	H64HA1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64HA1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	226	120	ug	SW846 6010B	06/20-06/27/06	H64HA1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	153 B	600	ug	SW846 6010B	06/20-06/27/06	H64HA1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64HA1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	0.0090 B	0.12	ug	SW846 7471A	06/21/06	H64HA1AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Brown and Caldwell

Client Sample ID: P-0667

## TOTAL Metals

<b>Lot-Sample #....:</b> G6F090224-008 <b>Date Sampled....:</b> 06/07/06 <b>Date Received...:</b> 06/09/06					<b>Matrix.....:</b> AIR	
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>Prep Batch #....:</b> 6171370						
Silver	ND	1.2	ug	SW846 6020	06/20-06/21/06	H64HC1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64HC1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/20-06/21/06	H64HC1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	06/20-06/21/06	H64HC1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	06/20-06/21/06	H64HC1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64HC1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64HC1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64HC1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	1.9 B	6.0	ug	SW846 6020	06/20-06/21/06	H64HC1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64HC1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64HC1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	06/20-06/21/06	H64HC1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64HC1AO
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	4.3 B,J	12.0	ug	SW846 6020	06/20-06/21/06	H64HC1AI
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0667

**TOTAL Metals**

Lot-Sample #....: G6F090224-008

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	06/20-06/21/06	H64HC1AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6171380

Aluminum	ND	240	ug	SW846 6010B	06/20-06/27/06	H64HC1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64HC1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	20.3 B	120	ug	SW846 6010B	06/20-06/27/06	H64HC1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	06/20-06/27/06	H64HC1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64HC1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	ND	0.12	ug	SW846 7471A	06/21/06	H64HC1AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000487

**TOTAL Metals**

Lot-Sample #....: G6F090224-009

Matrix.....: AIR

Date Sampled...: 06/07/06

Date Received..: 06/09/06

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
<b>Prep Batch #....: 6171370</b>						
Silver	0.068 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HD1AH
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64HD1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/20-06/21/06	H64HD1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.020 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HD1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	0.064 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HD1AM
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64HD1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64HD1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	154	6.0	ug	SW846 6020	06/20-06/21/06	H64HD1AQ
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	33.2	6.0	ug	SW846 6020	06/20-06/21/06	H64HD1AR
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64HD1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64HD1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.8	1.2	ug	SW846 6020	06/20-06/21/06	H64HD1AV
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64HD1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	5.7 B,J	12.0	ug	SW846 6020	06/20-06/21/06	H64HD1AX
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000487

**TOTAL Metals**

Lot-Sample #....: G6F090224-009

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Zinc	7.1 B	24.0	ug	SW846 6020	06/20-06/21/06	H64HD1A0	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6171380

Aluminum	651	240	ug	SW846 6010B	06/20-06/27/06	H64HD1AC
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64HD1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	730	120	ug	SW846 6010B	06/20-06/27/06	H64HD1AE
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	396 B	600	ug	SW846 6010B	06/20-06/27/06	H64HD1AF
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64HD1AG
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	0.015 B	0.12	ug	SW846 7471A	06/21/06	H64HD1A1
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE (S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000488

## TOTAL Metals

Lot-Sample #....:	G6F090224-010			Matrix.....:	AIR
Date Sampled....:	06/07/06			Date Received...:	06/09/06
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE      WORK ORDER #
<b>Prep Batch #....: 6171370</b>					
Silver	0.065 B	1.2	ug	SW846 6020	06/20-06/21/06 H64HG1AK
		Dilution Factor: 1		MDL.....:	0.014
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64HG1AL
		Dilution Factor: 1		MDL.....:	1.9
Barium	ND	120	ug	SW846 6020	06/20-06/21/06 H64HG1AM
		Dilution Factor: 1		MDL.....:	34.8
Beryllium	0.028 B	1.2	ug	SW846 6020	06/20-06/21/06 H64HG1AN
		Dilution Factor: 1		MDL.....:	0.0084
Cadmium	0.12 B	1.2	ug	SW846 6020	06/20-06/21/06 H64HG1AP
		Dilution Factor: 1		MDL.....:	0.054
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64HG1AQ
		Dilution Factor: 1		MDL.....:	3.7
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64HG1AR
		Dilution Factor: 1		MDL.....:	10.3
Copper	118	6.0	ug	SW846 6020	06/20-06/21/06 H64HG1AT
		Dilution Factor: 1		MDL.....:	2.9
Manganese	42.2	6.0	ug	SW846 6020	06/20-06/21/06 H64HG1AU
		Dilution Factor: 1		MDL.....:	1.9
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64HG1AV
		Dilution Factor: 1		MDL.....:	1.1
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64HG1AW
		Dilution Factor: 1		MDL.....:	3.5
Lead	1.8	1.2	ug	SW846 6020	06/20-06/21/06 H64HG1AX
		Dilution Factor: 1		MDL.....:	0.34
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64HG1AO
		Dilution Factor: 1		MDL.....:	1.7
Vanadium	6.0 B,J	12.0	ug	SW846 6020	06/20-06/21/06 H64HG1AI
		Dilution Factor: 1		MDL.....:	2.9

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000488

**TOTAL Metals**

Lot-Sample #....: G6F090224-010

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Zinc	7.5 B	24.0	ug	SW846 6020	06/20-06/21/06	H64HG1AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6171380

Aluminum	768	240	ug	SW846 6010B	06/20-06/27/06	H64HG1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64HG1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	761	120	ug	SW846 6010B	06/20-06/27/06	H64HG1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	415 B	600	ug	SW846 6010B	06/20-06/27/06	H64HG1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64HG1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	0.010 B	0.12	ug	SW846 7471A	06/21/06	H64HG1AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000489

**TOTAL Metals**

<b>Lot-Sample #....:</b>	<b>G6F090224-011</b>			<b>Matrix.....:</b>	<b>AIR</b>
<b>Date Sampled....:</b>	<b>06/07/06</b>			<b>Date Received...:</b>	<b>06/09/06</b>
<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>
<b>Prep Batch #....:</b>	<b>6171370</b>				<u>WORK ORDER #</u>
Silver	0.059 B	1.2	ug	SW846 6020	06/20-06/21/06 H64HH1AK
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64HH1AL
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	06/20-06/21/06 H64HH1AM
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.019 B	1.2	ug	SW846 6020	06/20-06/21/06 H64HH1AN
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	0.13 B	1.2	ug	SW846 6020	06/20-06/21/06 H64HH1AP
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64HH1AQ
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64HH1AR
		Dilution Factor: 1		MDL.....: 10.3	
Copper	130	6.0	ug	SW846 6020	06/20-06/21/06 H64HH1AT
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	17.3	6.0	ug	SW846 6020	06/20-06/21/06 H64HH1AU
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64HH1AV
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64HH1AW
		Dilution Factor: 1		MDL.....: 3.5	
Lead	1.8	1.2	ug	SW846 6020	06/20-06/21/06 H64HH1AX
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64HH1AO
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	5.5 B,J	12.0	ug	SW846 6020	06/20-06/21/06 H64HH1A1
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000489

**TOTAL Metals**

Lot-Sample #....: G6F090224-011

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Zinc	6.4 B	24.0	ug	SW846 6020	06/20-06/21/06	H64HH1AA	

Dilution Factor: 1 MDL.....: 6.2

Prep Batch #....: 6171380

Aluminum	363	240	ug	SW846 6010B	06/20-06/27/06	H64HH1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64HH1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	463	120	ug	SW846 6010B	06/20-06/27/06	H64HH1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	264 B	600	ug	SW846 6010B	06/20-06/27/06	H64HH1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64HH1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	0.013 B	0.12	ug	SW846 7471A	06/21/06	H64HH1AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE (S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Brown and Caldwell

Client Sample ID: 000490

## TOTAL Metals

Lot-Sample #....: G6F090224-012 Matrix.....: AIR  
 Date Sampled...: 06/07/06 Date Received...: 06/09/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>Prep Batch #....: 6171370</b>						
Silver	0.068 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HJ1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64HJ1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/20-06/21/06	H64HJ1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.023 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HJ1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	0.072 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HJ1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64HJ1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64HJ1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	142	6.0	ug	SW846 6020	06/20-06/21/06	H64HJ1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	22.2	6.0	ug	SW846 6020	06/20-06/21/06	H64HJ1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64HJ1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64HJ1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.6	1.2	ug	SW846 6020	06/20-06/21/06	H64HJ1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64HJ1AO
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	5.8 B,J	12.0	ug	SW846 6020	06/20-06/21/06	H64HJ1AI
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000490

**TOTAL Metals**

Lot-Sample #....: G6F090224-012

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Zinc	8.6 B	24.0	ug	SW846 6020	06/20-06/21/06	H64HJ1AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6171380

Aluminum	529	240	ug	SW846 6010B	06/20-06/27/06	H64HJ1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64HJ1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	639	120	ug	SW846 6010B	06/20-06/27/06	H64HJ1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	355 B	600	ug	SW846 6010B	06/20-06/27/06	H64HJ1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64HJ1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	0.019 B	0.12	ug	SW846 7471A	06/21/06	H64HJ1AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE (S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000491

**TOTAL Metals**

**Lot-Sample #....:** G6F090224-013                   **Matrix.....:** AIR  
**Date Sampled....:** 06/07/06                   **Date Received...:** 06/09/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #....:</b> 6171370						
Silver	0.036 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HK1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64HK1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	06/20-06/21/06	H64HK1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.041 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HK1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	0.074 B	1.2	ug	SW846 6020	06/20-06/21/06	H64HK1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64HK1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06	H64HK1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	132	6.0	ug	SW846 6020	06/20-06/21/06	H64HK1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	29.1	6.0	ug	SW846 6020	06/20-06/21/06	H64HK1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06	H64HK1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	3.8 B	6.0	ug	SW846 6020	06/20-06/21/06	H64HK1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.9	1.2	ug	SW846 6020	06/20-06/21/06	H64HK1AX
		Dilution Factor: 1		MDL.....: 0.34		
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06	H64HK1AO
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	7.4 B,J	12.0	ug	SW846 6020	06/20-06/21/06	H64HK1AI
		Dilution Factor: 1		MDL.....: 2.9		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000491

**TOTAL Metals**

Lot-Sample #....: G6F090224-013

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Zinc	6.6 B	24.0	ug	SW846 6020	06/20-06/21/06	H64HK1AA	

Dilution Factor: 1 MDL.....: 6.2

Prep Batch #....: 6171380

Aluminum	962	240	ug	SW846 6010B	06/20-06/27/06	H64HK1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	1470 B	3000	ug	SW846 6010B	06/20-06/27/06	H64HK1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	1810	120	ug	SW846 6010B	06/20-06/27/06	H64HK1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	555 B	600	ug	SW846 6010B	06/20-06/27/06	H64HK1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64HK1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	0.032 B	0.12	ug	SW846 7471A	06/21/06	H64HK1AC
		Dilution Factor: 1		MDL.....: 0.00036		

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000492

## TOTAL Metals

Lot-Sample #....:	G6F090224-014			Matrix.....:	AIR
Date Sampled....:	06/07/06			Date Received...:	06/09/06
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE
Prep Batch #....:	6171370				WORK ORDER #
Silver	0.036 B	1.2	ug	SW846 6020	06/20-06/21/06 H64HL1AK
		Dilution Factor: 1		MDL.....: 0.014	
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64HL1AL
		Dilution Factor: 1		MDL.....: 1.9	
Barium	ND	120	ug	SW846 6020	06/20-06/21/06 H64HL1AM
		Dilution Factor: 1		MDL.....: 34.8	
Beryllium	0.034 B	1.2	ug	SW846 6020	06/20-06/21/06 H64HL1AN
		Dilution Factor: 1		MDL.....: 0.0084	
Cadmium	0.079 B	1.2	ug	SW846 6020	06/20-06/21/06 H64HL1AP
		Dilution Factor: 1		MDL.....: 0.054	
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64HL1AQ
		Dilution Factor: 1		MDL.....: 3.7	
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06 H64HL1AR
		Dilution Factor: 1		MDL.....: 10.3	
Copper	80.3	6.0	ug	SW846 6020	06/20-06/21/06 H64HL1AT
		Dilution Factor: 1		MDL.....: 2.9	
Manganese	31.0	6.0	ug	SW846 6020	06/20-06/21/06 H64HL1AU
		Dilution Factor: 1		MDL.....: 1.9	
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64HL1AV
		Dilution Factor: 1		MDL.....: 1.1	
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06 H64HL1AW
		Dilution Factor: 1		MDL.....: 3.5	
Lead	1.9	1.2	ug	SW846 6020	06/20-06/21/06 H64HL1AX
		Dilution Factor: 1		MDL.....: 0.34	
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06 H64HL1AO
		Dilution Factor: 1		MDL.....: 1.7	
Vanadium	6.1 B,J	12.0	ug	SW846 6020	06/20-06/21/06 H64HL1AI
		Dilution Factor: 1		MDL.....: 2.9	

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000492

**TOTAL Metals**

Lot-Sample #....: G6F090224-014

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	9.3 B	24.0	ug	SW846 6020	06/20-06/21/06	H64HL1AA	

Dilution Factor: 1 MDL.....: 6.2

Prep Batch #....: 6171380

Aluminum	740	240	ug	SW846 6010B	06/20-06/27/06	H64HL1AE
		Dilution Factor: 1		MDL.....	: 40.8	

Calcium	969 B	3000	ug	SW846 6010B	06/20-06/27/06	H64HL1AF
		Dilution Factor: 1		MDL.....	: 898	

Iron	849	120	ug	SW846 6010B	06/20-06/27/06	H64HL1AG
		Dilution Factor: 1		MDL.....	: 14.4	

Magnesium	462 B	600	ug	SW846 6010B	06/20-06/27/06	H64HL1AH
		Dilution Factor: 1		MDL.....	: 97.2	

Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64HL1AJ
		Dilution Factor: 1		MDL.....	: 2020	

Prep Batch #....: 6172363

Mercury	0.032 B	0.12	ug	SW846 7471A	06/21/06	H64HL1AC
		Dilution Factor: 1		MDL.....	: 0.00036	

**NOTE (S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Brown and Caldwell

Client Sample ID: 000493

## TOTAL Metals

Lot-Sample #....:	G6F090224-015			Matrix.....:	AIR
Date Sampled....:	06/07/06			Date Received...:	06/09/06
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE      WORK ORDER #
<b>Prep Batch #....: 6171370</b>					
Silver	ND	1.2	ug	SW846 6020 Dilution Factor: 1 MDL.....: 0.014	06/20-06/21/06 H64HM1AK
Arsenic	ND	3.6	ug	SW846 6020 Dilution Factor: 1 MDL.....: 1.9	06/20-06/21/06 H64HM1AL
Barium	ND	120	ug	SW846 6020 Dilution Factor: 1 MDL.....: 34.8	06/20-06/21/06 H64HM1AM
Beryllium	ND	1.2	ug	SW846 6020 Dilution Factor: 1 MDL.....: 0.0084	06/20-06/21/06 H64HM1AN
Cadmium	ND	1.2	ug	SW846 6020 Dilution Factor: 1 MDL.....: 0.054	06/20-06/21/06 H64HM1AP
Cobalt	ND	12.0	ug	SW846 6020 Dilution Factor: 1 MDL.....: 3.7	06/20-06/21/06 H64HM1AQ
Chromium	ND	12.0	ug	SW846 6020 Dilution Factor: 1 MDL.....: 10.3	06/20-06/21/06 H64HM1AR
Copper	ND	6.0	ug	SW846 6020 Dilution Factor: 1 MDL.....: 2.9	06/20-06/21/06 H64HM1AT
Manganese	ND	6.0	ug	SW846 6020 Dilution Factor: 1 MDL.....: 1.9	06/20-06/21/06 H64HM1AU
Molybdenum	ND	6.0	ug	SW846 6020 Dilution Factor: 1 MDL.....: 1.1	06/20-06/21/06 H64HM1AV
Nickel	ND	6.0	ug	SW846 6020 Dilution Factor: 1 MDL.....: 3.5	06/20-06/21/06 H64HM1AW
Lead	ND	1.2	ug	SW846 6020 Dilution Factor: 1 MDL.....: 0.34	06/20-06/21/06 H64HM1AX
Selenium	ND	3.6	ug	SW846 6020 Dilution Factor: 1 MDL.....: 1.7	06/20-06/21/06 H64HM1A0
Vanadium	4.4 B,J	12.0	ug	SW846 6020 Dilution Factor: 1 MDL.....: 2.9	06/20-06/21/06 H64HM1A1

(Continued on next page)

## Brown and Caldwell

Client Sample ID: 000493

## TOTAL Metals

Lot-Sample #....: G6F090224-015

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Zinc	ND	24.0	ug	SW846 6020	MDL.....: 6.2	06/20-06/21/06	H64HM1AA

Prep Batch #....: 6171380

Aluminum	ND	240	ug	SW846 6010B	06/20-06/27/06	H64HM1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	06/20-06/27/06	H64HM1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	22.5 B	120	ug	SW846 6010B	06/20-06/27/06	H64HM1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	06/20-06/27/06	H64HM1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	06/20-06/27/06	H64HM1AJ
		Dilution Factor: 1		MDL.....: 2020		

Prep Batch #....: 6172363

Mercury	ND	0.12	ug	SW846 7471A	06/21/06	H64HM1AC
		Dilution Factor: 1		MDL.....: 0.00036		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

# QC DATA ASSOCIATION SUMMARY

G6F090224

## Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
002	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
003	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
004	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
005	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
006	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
007	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
008	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
009	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
010	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
011	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	

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# QC DATA ASSOCIATION SUMMARY

G6F090224

## Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
012	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
013	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
014	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	
015	AIR	SW846 6020		6171370	
	AIR	SW846 7471A		6172363	
	AIR	SW846 6010B		6171380	

## METHOD BLANK REPORT

## TOTAL Metals

Client Lot #....: G6F090224

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MB Lot-Sample #: G6F200000-370 Prep Batch #...: 6171370</b>						
Arsenic	ND	3.6	ug	SW846 6020	06/20-06/21/06	H7RCA1AC
		Dilution Factor: 1				
Barium	ND	120	ug	SW846 6020	06/20-06/21/06	H7RCA1AD
		Dilution Factor: 1				
Beryllium	ND	1.2	ug	SW846 6020	06/20-06/21/06	H7RCA1AE
		Dilution Factor: 1				
Cadmium	ND	1.2	ug	SW846 6020	06/20-06/21/06	H7RCA1AF
		Dilution Factor: 1				
Chromium	ND	12.0	ug	SW846 6020	06/20-06/21/06	H7RCA1AH
		Dilution Factor: 1				
Cobalt	ND	12.0	ug	SW846 6020	06/20-06/21/06	H7RCA1AG
		Dilution Factor: 1				
Copper	ND	6.0	ug	SW846 6020	06/20-06/21/06	H7RCA1AJ
		Dilution Factor: 1				
Lead	ND	1.2	ug	SW846 6020	06/20-06/21/06	H7RCA1AN
		Dilution Factor: 1				
Manganese	ND	6.0	ug	SW846 6020	06/20-06/21/06	H7RCA1AK
		Dilution Factor: 1				
Molybdenum	ND	6.0	ug	SW846 6020	06/20-06/21/06	H7RCA1AL
		Dilution Factor: 1				
Nickel	ND	6.0	ug	SW846 6020	06/20-06/21/06	H7RCA1AM
		Dilution Factor: 1				
Selenium	ND	3.6	ug	SW846 6020	06/20-06/21/06	H7RCA1AP
		Dilution Factor: 1				
Silver	ND	1.2	ug	SW846 6020	06/20-06/21/06	H7RCA1AA
		Dilution Factor: 1				
Vanadium	4.5 B	12.0	ug	SW846 6020	06/20-06/21/06	H7RCA1AQ
		Dilution Factor: 1				
Zinc	ND	24.0	ug	SW846 6020	06/20-06/21/06	H7RCA1AR
		Dilution Factor: 1				

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## METHOD BLANK REPORT

## TOTAL Metals

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>			<u>ANALYSIS DATE</u>	<u>ORDER #</u>
<b>MB Lot-Sample #: G6F200000-380 Prep Batch #: 6171380</b>							
Aluminum	ND	240	ug		SW846 6010B	06/20-06/27/06	H7RDQ1AA
Dilution Factor: 1							
Calcium	ND	3000	ug		SW846 6010B	06/20-06/27/06	H7RDQ1AC
Dilution Factor: 1							
Iron	ND	120	ug		SW846 6010B	06/20-06/27/06	H7RDQ1AD
Dilution Factor: 1							
Magnesium	ND	600	ug		SW846 6010B	06/20-06/27/06	H7RDQ1AE
Dilution Factor: 1							
Sodium	ND	6000	ug		SW846 6010B	06/20-06/27/06	H7RDQ1AF
Dilution Factor: 1							
<b>MB Lot-Sample #: G6F210000-363 Prep Batch #: 6172363</b>							
Mercury	ND	0.12	ug		SW846 7471A	06/21/06	H7VL71AA
Dilution Factor: 1							

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**TOTAL Metals**

**Lot-Sample #....: G6F090224**

**Matrix.....: AIR**

PARAMETER	SPIKE	MEASURED	UNITS	PERCNT	RPD	METHOD	PREPARATION-	PREP
	AMOUNT	AMOUNT		RECVRY			ANALYSIS DATE	BATCH #
Arsenic	240	224	ug	93		SW846 6020	06/20-06/21/06	6171370
	240	222	ug	93	0.89	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Barium	240	233	ug	97		SW846 6020	06/20-06/21/06	6171370
	240	232	ug	97	0.61	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Beryllium	240	221	ug	92		SW846 6020	06/20-06/21/06	6171370
	240	222	ug	93	0.65	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Cadmium	240	225	ug	94		SW846 6020	06/20-06/21/06	6171370
	240	224	ug	93	0.18	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Chromium	240	238	ug	99		SW846 6020	06/20-06/21/06	6171370
	240	236	ug	98	0.84	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Cobalt	240	235	ug	98		SW846 6020	06/20-06/21/06	6171370
	240	235	ug	98	0.16	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Copper	240	234	ug	97		SW846 6020	06/20-06/21/06	6171370
	240	230	ug	96	1.6	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Lead	240	243	ug	101		SW846 6020	06/20-06/21/06	6171370
	240	241	ug	100	0.93	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Manganese	240	243	ug	101		SW846 6020	06/20-06/21/06	6171370
	240	240	ug	100	1.1	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Molybdenum	240	243	ug	101		SW846 6020	06/20-06/21/06	6171370
	240	243	ug	101	0.36	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								

(Continued on next page)

## LABORATORY CONTROL SAMPLE DATA REPORT

## TOTAL Metals

Lot-Sample #...: G6F090224

Matrix.....: AIR

PARAMETER	SPIKE	MEASURED	PERCNT	PREPARATION-			PREP	
	AMOUNT	AMOUNT	UNITS	RECVRY	RPD	METHOD	ANALYSIS DATE	BATCH #
Nickel	240	234	ug	98		SW846 6020	06/20-06/21/06	6171370
	240	230	ug	96	1.8	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Selenium	240	219	ug	91		SW846 6020	06/20-06/21/06	6171370
	240	217	ug	91	0.61	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Silver	60.0	58.8	ug	98		SW846 6020	06/20-06/21/06	6171370
	60.0	58.7	ug	98	0.09	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Vanadium	240	237	ug	99		SW846 6020	06/20-06/21/06	6171370
	240	235	ug	98	0.70	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Zinc	240	229	ug	96		SW846 6020	06/20-06/21/06	6171370
	240	226	ug	94	1.4	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1								
Aluminum	2400	2290	ug	95		SW846 6010B	06/20-06/27/06	6171380
	2400	2250	ug	94	1.9	SW846 6010B	06/20-06/27/06	6171380
Dilution Factor: 1								
Calcium	60000	56700	ug	94		SW846 6010B	06/20-06/27/06	6171380
	60000	55600	ug	93	1.8	SW846 6010B	06/20-06/27/06	6171380
Dilution Factor: 1								
Iron	1200	1150	ug	96		SW846 6010B	06/20-06/27/06	6171380
	1200	1130	ug	94	1.6	SW846 6010B	06/20-06/27/06	6171380
Dilution Factor: 1								
Magnesium	60000	57100	ug	95		SW846 6010B	06/20-06/27/06	6171380
	60000	56200	ug	94	1.6	SW846 6010B	06/20-06/27/06	6171380
Dilution Factor: 1								
Sodium	60000	56200	ug	94		SW846 6010B	06/20-06/27/06	6171380
	60000	55200	ug	92	1.8	SW846 6010B	06/20-06/27/06	6171380
Dilution Factor: 1								

(Continued on next page)

## LABORATORY CONTROL SAMPLE DATA REPORT

## TOTAL Metals

Lot-Sample #....: G6F090224

Matrix.....: AIR

PARAMETER	SPIKE	MEASURED		PERCNT		METHOD	PREPARATION-	PREP
	AMOUNT	AMOUNT	UNITS	RECVRY	RPD		ANALYSIS DATE	BATCH #
Mercury	0.600	0.577	ug	96		SW846 7471A	06/21/06	6172363
	0.600	0.587	ug	98	1.8	SW846 7471A	06/21/06	6172363

Dilution Factor: 1

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

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**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Lot-Sample #....: G6F090224**

**Matrix.....: AIR**

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>PREP-BATCH #</u>
Arsenic	93	(75 - 125)			SW846 6020	06/20-06/21/06	6171370
	93	(75 - 125)	0.89	(0-20)	SW846 6020	06/20-06/21/06	6171370
Barium	97	(75 - 125)			SW846 6020	06/20-06/21/06	6171370
	97	(75 - 125)	0.61	(0-20)	SW846 6020	06/20-06/21/06	6171370
Beryllium	92	(75 - 125)			SW846 6020	06/20-06/21/06	6171370
	93	(75 - 125)	0.65	(0-20)	SW846 6020	06/20-06/21/06	6171370
Cadmium	94	(75 - 125)			SW846 6020	06/20-06/21/06	6171370
	93	(75 - 125)	0.18	(0-20)	SW846 6020	06/20-06/21/06	6171370
Chromium	99	(75 - 125)			SW846 6020	06/20-06/21/06	6171370
	98	(75 - 125)	0.84	(0-20)	SW846 6020	06/20-06/21/06	6171370
Cobalt	98	(75 - 125)			SW846 6020	06/20-06/21/06	6171370
	98	(75 - 125)	0.16	(0-20)	SW846 6020	06/20-06/21/06	6171370
Copper	97	(75 - 125)			SW846 6020	06/20-06/21/06	6171370
	96	(75 - 125)	1.6	(0-20)	SW846 6020	06/20-06/21/06	6171370
Lead	101	(75 - 125)			SW846 6020	06/20-06/21/06	6171370
	100	(75 - 125)	0.93	(0-20)	SW846 6020	06/20-06/21/06	6171370
Manganese	101	(75 - 125)			SW846 6020	06/20-06/21/06	6171370
	100	(75 - 125)	1.1	(0-20)	SW846 6020	06/20-06/21/06	6171370
Molybdenum	101	(75 - 125)			SW846 6020	06/20-06/21/06	6171370
	101	(75 - 125)	0.36	(0-20)	SW846 6020	06/20-06/21/06	6171370
		Dilution Factor: 1					

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**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Lot-Sample #....: G6F090224**

**Matrix.....: AIR**

PARAMETER	PERCENT	RECOVERY	RPD	METHOD	PREPARATION-	PREP-
	RECOVERY	LIMITS	RPD		ANALYSIS DATE	BATCH #
Nickel	98	(75 - 125)		SW846 6020	06/20-06/21/06	6171370
	96	(75 - 125)	1.8 (0-20)	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1						
Selenium	91	(75 - 125)		SW846 6020	06/20-06/21/06	6171370
	91	(75 - 125)	0.61 (0-20)	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1						
Silver	98	(75 - 125)		SW846 6020	06/20-06/21/06	6171370
	98	(75 - 125)	0.09 (0-20)	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1						
Vanadium	99	(75 - 125)		SW846 6020	06/20-06/21/06	6171370
	98	(75 - 125)	0.70 (0-20)	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1						
Zinc	96	(75 - 125)		SW846 6020	06/20-06/21/06	6171370
	94	(75 - 125)	1.4 (0-20)	SW846 6020	06/20-06/21/06	6171370
Dilution Factor: 1						
Aluminum	95	(75 - 125)		SW846 6010B	06/20-06/27/06	6171380
	94	(75 - 125)	1.9 (0-20)	SW846 6010B	06/20-06/27/06	6171380
Dilution Factor: 1						
Calcium	94	(75 - 125)		SW846 6010B	06/20-06/27/06	6171380
	93	(75 - 125)	1.8 (0-20)	SW846 6010B	06/20-06/27/06	6171380
Dilution Factor: 1						
Iron	96	(75 - 125)		SW846 6010B	06/20-06/27/06	6171380
	94	(75 - 125)	1.6 (0-20)	SW846 6010B	06/20-06/27/06	6171380
Dilution Factor: 1						
Magnesium	95	(75 - 125)		SW846 6010B	06/20-06/27/06	6171380
	94	(75 - 125)	1.6 (0-20)	SW846 6010B	06/20-06/27/06	6171380
Dilution Factor: 1						
Sodium	94	(75 - 125)		SW846 6010B	06/20-06/27/06	6171380
	92	(75 - 125)	1.8 (0-20)	SW846 6010B	06/20-06/27/06	6171380
Dilution Factor: 1						

(Continued on next page)

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Lot-Sample #....:** G6F090224

**Matrix.....:** AIR

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP-</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Mercury	96	(75 - 125)		SW846 7471A	06/21/06	6172363
	98	(75 - 125)	1.8 (0-20)	SW846 7471A	06/21/06	6172363

Dilution Factor: 1

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

# AIR, PM-10 & TSP

Brown and Caldwell

Client Sample ID: P-0660

General Chemistry

Lot-Sample #....: G6F090224-001      Work Order #....: H64GW      Matrix.....: AIR  
Date Sampled....: 06/07/06      Date Received...: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0112	0.0001	g	CFR50J APDX J	06/13-06/14/06	6167337

Brown and Caldwell

Client Sample ID: P-0661

General Chemistry

Lot-Sample #....: G6F090224-002      Work Order #....: H64G5      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received...: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0151	0.0001	g	CFR50J APDX J	06/13-06/14/06	6167337

Brown and Caldwell

Client Sample ID: P-0662

General Chemistry

Lot-Sample #...: G6F090224-003      Work Order #...: H64G6      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received..: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0102	0.0001	g	CFR50J APDX J	06/13-06/14/06	6167337

Brown and Caldwell

Client Sample ID: P-0663

General Chemistry

Lot-Sample #....: G6F090224-004      Work Order #....: H64G7      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received..: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Particulate Matter as PM10	0.0157	0.0001	g	CFR50J APDX J	06/13-06/14/06	6167337

Brown and Caldwell

Client Sample ID: P-0664

General Chemistry

Lot-Sample #....: G6F090224-005      Work Order #....: H64G8      Matrix.....: AIR  
Date Sampled....: 06/07/06      Date Received...: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0144	0.0001	g	CFR50J APDX J	06/13-06/14/06	6167337

Brown and Caldwell

Client Sample ID: P-0665

General Chemistry

Lot-Sample #....: G6F090224-006      Work Order #....: H64G9      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received...: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0146	0.0001	g	CFR50J APDX J	06/13-06/14/06	6167337

Brown and Caldwell

Client Sample ID: P-0666

General Chemistry

Lot-Sample #....: G6F090224-007      Work Order #....: H64HA      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received...: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0120	0.0001	g	CFR50J APDX J	06/13-06/14/06	6167337

Brown and Caldwell

Client Sample ID: P-0667

General Chemistry

Lot-Sample #....: G6F090224-008      Work Order #....: H64HC      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received...: 06/09/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Particulate Matter as PM10	ND	0.0001	g	CFR50J APDX J	06/13-06/14/06	6167337

Brown and Caldwell

Client Sample ID: 000487

General Chemistry

Lot-Sample #....: G6F090224-009      Work Order #....: H64HD      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received...: 06/09/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Total Suspended Particulates	0.0453	0.0001	g	CFR50B APDX B	06/13-06/14/06	6167330

Brown and Caldwell

Client Sample ID: 000488

General Chemistry

Lot-Sample #....: G6F090224-010      Work Order #....: H64HG      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received..: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0484	0.0001	g	CFR50B APDX B	06/13-06/14/06	6167330

Brown and Caldwell

Client Sample ID: 000489

General Chemistry

Lot-Sample #....: G6F090224-011      Work Order #....: H64HH      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received..: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Total Suspended Particulates	0.0224	0.0001	g	CFR50B APDX B	06/13-06/14/06	6167330

Brown and Caldwell

Client Sample ID: 000490

General Chemistry

Lot-Sample #....: G6F090224-012      Work Order #....: H64HJ      Matrix.....: AIR  
Date Sampled....: 06/07/06      Date Received...: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0372	0.0001	g	CFR50B APDX B	06/13-06/14/06	6167330

Brown and Caldwell

Client Sample ID: 000491

General Chemistry

Lot-Sample #....: G6F090224-013      Work Order #....: H64HK      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received...: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0797	0.0001	g	CFR50B APDX B	06/13-06/15/06	6167330

Brown and Caldwell

Client Sample ID: 000492

General Chemistry

Lot-Sample #....: G6F090224-014      Work Order #....: H64HL      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received..: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Total Suspended Particulates	0.0446	0.0001	g	CFR50B APDX B	06/13-06/14/06	6167330

Brown and Caldwell

Client Sample ID: 000493

General Chemistry

Lot-Sample #....: G6F090224-015      Work Order #....: H64HM      Matrix.....: AIR  
Date Sampled...: 06/07/06      Date Received...: 06/09/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0005	0.0001	g	CFR50B APDX B	06/13-06/14/06	6167330

# AIR, Metals – Various Methods

## **Raw Data Package**

**ICP**

## STL Sacramento

## RUN SUMMARY

Method: 6010

PE ICP2 (P05)

Reported: 06/27/06 15:13:15

File ID: JUN2706AX.csv

Analyst: WONGA

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	Calib_Blank_			1.0	06/27/06 09:43		<input type="checkbox"/>
2	Calib_Std_1			1.0	06/27/06 09:47		<input type="checkbox"/>
3	Calib Std 2			1.0	06/27/06 09:49		<input type="checkbox"/>
4	ICV4			1.0	06/27/06 09:51		<input type="checkbox"/>
5	ICB			1.0	06/27/06 09:54		<input type="checkbox"/>
6	PQL			1.0	06/27/06 09:57		<input type="checkbox"/>
7	ICSA			1.0	06/27/06 10:01		<input type="checkbox"/>
8	ICSAB_4.0			1.0	06/27/06 10:04		<input type="checkbox"/>
9	FB1815158			1.0	06/27/06 10:10		<input type="checkbox"/>
10	H7RDQB	G6F200000	6171380	2A	1.0	06/27/06 10:14	<input type="checkbox"/>
11	H7RDQC	G6F200000	6171380	2A	1.0	06/27/06 10:17	<input type="checkbox"/>
12	H7RDQL	G6F200000	6171380	2A	1.0	06/27/06 10:20	<input type="checkbox"/>
13	H64GW	G6F090224-1	6171380	2A	1.0	06/27/06 10:24	<input type="checkbox"/>
14	H64GWP5	G6F090224	6171380		5.0	06/27/06 10:27	<input type="checkbox"/>
15	H64GWZ	G6F090224-1	6171380		1.0	06/27/06 10:31	<input type="checkbox"/>
16	CCV				1.0	06/27/06 10:34	<input type="checkbox"/>
17	CCB				1.0	06/27/06 10:37	<input type="checkbox"/>
18	H64G5	G6F090224-2	6171380	2A	1.0	06/27/06 10:40	<input type="checkbox"/>
19	H64G6	G6F090224-3	6171380	2A	1.0	06/27/06 10:44	<input type="checkbox"/>
20	H64G7	G6F090224-4	6171380	2A	1.0	06/27/06 10:47	<input type="checkbox"/>
21	H64G8	G6F090224-5	6171380	2A	1.0	06/27/06 10:51	<input type="checkbox"/>
22	H64G9	G6F090224-6	6171380	2A	1.0	06/27/06 10:55	<input type="checkbox"/>
23	H64HA	G6F090224-7	6171380	2A	1.0	06/27/06 10:58	<input type="checkbox"/>
24	H64HC	G6F090224-8	6171380	2A	1.0	06/27/06 11:02	<input type="checkbox"/>
25	H64HD	G6F090224-9	6171380	2A	1.0	06/27/06 11:05	<input type="checkbox"/>
26	H64HG	G6F090224-10	6171380	2A	1.0	06/27/06 11:09	<input type="checkbox"/>
27	H64HH	G6F090224-11	6171380	2A	1.0	06/27/06 11:12	<input type="checkbox"/>
28	CCV				1.0	06/27/06 11:16	<input type="checkbox"/>
29	CCB				1.0	06/27/06 11:18	<input type="checkbox"/>
30	H64HJ	G6F090224-12	6171380	2A	1.0	06/27/06 11:22	<i>return</i>
31	H64HK	G6F090224-13	6171380	2A	1.0	06/27/06 11:25	<input type="checkbox"/>
32	H64HL	G6F090224-14	6171380	2A	1.0	06/27/06 11:29	<input type="checkbox"/>
33	H64HM	G6F090224-15	6171380	2A	1.0	06/27/06 11:33	<input type="checkbox"/>
34	ZZZZZ				1.0	06/27/06 11:36	<i>empty</i>
35	CCV				1.0	06/27/06 11:42	<i>AI, No out of control</i>
36	CCV				1.0	06/27/06 11:44	<input type="checkbox"/>
37	CCB				1.0	06/27/06 11:46	<input type="checkbox"/>

STL Sacramento

## INTERNAL STANDARD SUMMARY

Method: 6010()

PE ICP2 (P05)

Reported: 06/27/06 15:13:15

File ID: JUN2706AX.csv

Analyst: WONGA

#	Sample ID	Analyzed Date	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
1	Calib_Blank_	06/27/06 09:43	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
2	Calib Std 1	06/27/06 09:47	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
3	Calib Std 2	06/27/06 09:49	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
4	ICV4	06/27/06 09:51	98.4	99.2	99.4	98.5	99.2	<input checked="" type="checkbox"/>
5	ICB	06/27/06 09:54	101.0	101.5	99.5	101.6	99.4	<input checked="" type="checkbox"/>
6	PQL	06/27/06 09:57	100.5	101.7	100.2	101.9	100.4	<input checked="" type="checkbox"/>
7	ICSA	06/27/06 10:01	85.4	85.2	88.3	84.6	89.2	<input checked="" type="checkbox"/>
8	ICSAB_4.0	06/27/06 10:04	86.8	85.4	90.1	85.5	91.0	<input checked="" type="checkbox"/>
9	FB1815158	06/27/06 10:10	108.3	104.9	108.0	105.0	108.2	<input checked="" type="checkbox"/>
10	H7RDQB	06/27/06 10:14	106.9	106.5	104.2	106.8	104.4	<input checked="" type="checkbox"/>
11	H7RDQC	06/27/06 10:17	102.7	101.1	101.9	100.1	100.9	<input checked="" type="checkbox"/>
12	H7RDQL	06/27/06 10:20	104.2	101.7	104.7	100.7	103.6	<input checked="" type="checkbox"/>
13	H64GW	06/27/06 10:24	109.1	108.3	107.6	108.3	107.7	<input checked="" type="checkbox"/>
14	H64GWP5	06/27/06 10:27	106.0	105.1	106.5	105.0	106.5	<input checked="" type="checkbox"/>
15	H64GWZ	06/27/06 10:31	104.7	101.9	103.7	100.9	102.6	<input checked="" type="checkbox"/>
16	CCV	06/27/06 10:34	100.8	100.8	102.2	99.9	101.7	<input checked="" type="checkbox"/>
17	CCB	06/27/06 10:37	106.9	104.7	105.9	104.7	105.9	<input checked="" type="checkbox"/>
18	H64G5	06/27/06 10:40	110.3	107.8	109.7	107.8	109.7	<input checked="" type="checkbox"/>
19	H64G6	06/27/06 10:44	110.0	108.1	107.5	108.1	107.6	<input checked="" type="checkbox"/>
20	H64G7	06/27/06 10:47	111.3	107.2	108.8	107.1	108.8	<input checked="" type="checkbox"/>
21	H64G8	06/27/06 10:51	112.3	109.7	109.2	109.8	109.2	<input checked="" type="checkbox"/>
22	H64G9	06/27/06 10:55	111.0	106.9	111.3	106.9	111.1	<input checked="" type="checkbox"/>
23	H64HA	06/27/06 10:58	112.5	111.5	110.3	111.5	110.4	<input checked="" type="checkbox"/>
24	H64HC	06/27/06 11:02	111.8	109.6	110.4	109.7	110.6	<input checked="" type="checkbox"/>
25	H64HD	06/27/06 11:05	113.0	109.4	111.6	109.3	111.6	<input checked="" type="checkbox"/>
26	H64HG	06/27/06 11:09	114.1	110.8	114.5	110.7	114.5	<input checked="" type="checkbox"/>
27	H64HH	06/27/06 11:12	113.9	111.9	111.2	111.9	111.1	<input checked="" type="checkbox"/>
28	CCV	06/27/06 11:16	105.4	105.5	106.0	104.5	105.7	<input checked="" type="checkbox"/>
29	CCB	06/27/06 11:18	110.7	110.3	111.3	110.2	111.4	<input checked="" type="checkbox"/>
30	H64HJ	06/27/06 11:22	114.7	111.4	112.0	111.3	111.9	<input checked="" type="checkbox"/>
31	H64HK	06/27/06 11:25	116.1	111.9	113.9	111.7	113.9	<input checked="" type="checkbox"/>
32	H64HL	06/27/06 11:29	115.1	112.5	115.0	112.4	115.0	<input checked="" type="checkbox"/>
33	H64HM	06/27/06 11:33	115.6	111.0	112.8	111.0	113.0	<input checked="" type="checkbox"/>
34	ZZZZZ	06/27/06 11:36	226.3	273.4	247.4	273.8	248.4	<input type="checkbox"/>
35	CCV	06/27/06 11:42	105.8	105.6	106.6	104.6	106.2	<input checked="" type="checkbox"/>
36	CCV	06/27/06 11:44	106.7	105.9	107.4	104.9	107.2	<input checked="" type="checkbox"/>
37	CCB	06/27/06 11:46	111.3	109.7	109.3	109.7	109.2	<input checked="" type="checkbox"/>

Run/Project Information:

Run Date: 06/27/06 Analyst: AWONG Instrument: P05  
 Prep Batches Run: 617/380

Circle Method used: 6010B / 200.7: SAC-MT-0003 Rev. 2.0

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels ?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? (6010B, CLP = 90 - 110%, 200.7 = 95 -105%[ICV])	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			✓
4. CRI analyzed? (for CLP only)	✓			✓
5. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?		✓		✓
2. All reported results bracketed by in control QC ?	✓			✓
3. Sample analyses done within holding time ?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			✓
3. MS run at required frequency and within limits ?		✓		✓
4. MSD or DU run at required frequency and RPD within SOP limits ?		✓		✓
5. Dilution Test done per prep batch (or per SDG for CLP) ?	✓			✓
6. Post digest spike analyzed if required (CLP only) ?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately ?		✓		✓
2. Current IDL/LR/IEC data on file ?	✓			✓
3. Calculations checked for error ?	✓			✓
4. Transcriptions checked for error ?	✓			✓
5. All client/project specific requirements met ?	✓			✓
6. Date/time of analysis verified as correct ?	✓			✓

Analyst: AWONG  
 Comments: \_\_\_\_\_

Date: 06/27/06

2nd Level Reviewer : WTF Date: 6/28/06  
 Comments: \_\_\_\_\_

STL Sacramento

Method 6010B Instrument QC Standards



Chemist: AWong

Run Date: 06/27/06

Type of Analysis: Trace ICP (AirTox)

Instrument ID: P05

Standard Expiration Dates Verified: 06/27/06

<u>Standard Name</u>	<u>Standard Logbook ID</u>
STD0 (Cal Blank) / ICB / CCB	2696-16-6
STD1 (Cal Std 1)	2680-66
STD2 (Cal Std 2)	2680-67
STD3 (Cal Std 3)	NA
STD4 (Cal Std 4)	NA
ICV	2680-42
ICV2	NA
PQLCRI	1750-018-3
ICSA	2680-69
ICSAB	2680-70
CCV	2680-68
Internal Standard	2696-20-2

QA - 416  
ERS 2/1/01

=====

6/27/2006 9:26:39 AM Hg ReAlign... Actual peak offset (nm): -0.007  
Drift (nm): -0.001 Slit adjustment: -3

=====

Align View XY Axial for analyte Mn 257.610

X-position Y-position Intensity

-2.0	15.0	445098.6
-1.6	15.0	645346.3
-1.2	15.0	828057.2
-0.8	15.0	1056597.0
-0.4	15.0	1187430.8
0.0	15.0	1289721.4
0.4	15.0	1238993.4
0.8	15.0	1153946.9
1.2	15.0	1000558.1
1.6	15.0	768407.7
2.0	15.0	573687.0
0.0	10.0	4872.8
0.0	10.5	28377.4
0.0	11.0	61683.6
0.0	11.5	106389.1
0.0	12.0	168612.6
0.0	12.5	384582.1
0.0	13.0	528393.2
0.0	13.5	704576.3
0.0	14.0	904919.4
0.0	14.5	1223521.3
0.0	15.0	1306963.7
0.0	15.5	1269301.8
0.0	16.0	1179304.8
0.0	16.5	860863.4
0.0	17.0	651247.6
0.0	17.5	492902.9
0.0	18.0	347638.7
0.0	18.5	242641.9
0.0	19.0	101067.1
0.0	19.5	55830.9
0.0	20.0	18294.2
-0.8	15.0	1014096.9
-0.4	15.0	1200457.8
0.0	15.0	1282791.5
0.4	15.0	1244837.4
0.8	15.0	1181145.9
0.0	13.0	577560.1
0.0	13.5	717856.7
0.0	14.0	925042.7
0.0	14.5	1223841.9
0.0	15.0	1280760.1
0.0	15.5	1275000.5
0.0	16.0	1188982.5
0.0	16.5	829467.7
0.0	17.0	642912.1

=====

6/27/2006 9:30:41 AM aligned for analyte Mn 257.610

X viewing position set to 0.0 mm having Peak intensity 1280760.1 for Axial viewing  
Y viewing position set to 15.0 mm having Peak intensity 1280760.1 for Axial viewing

=====

Align View X Radial for analyte Mn 257.610

X-position Y-position Intensity

-7.0	15.0	159.6
-6.5	15.0	216.7
-6.0	15.0	335.5
-5.5	15.0	557.0
-5.0	15.0	988.9

-4.5	15.0	1934.5
-4.0	15.0	3138.7
-3.5	15.0	4734.6
-3.0	15.0	7106.6
-2.5	15.0	9731.7
-2.0	15.0	16913.5
-1.5	15.0	46684.5
-1.0	15.0	88478.7
-0.5	15.0	114822.8
0.0	15.0	110978.6
0.5	15.0	102441.8
1.0	15.0	84754.5
1.5	15.0	61865.4
2.0	15.0	43154.1
2.5	15.0	24638.2
3.0	15.0	10076.9
3.5	15.0	2821.4
4.0	15.0	2473.4
4.5	15.0	1189.9
5.0	15.0	496.5
5.5	15.0	232.0
6.0	15.0	152.2
6.5	15.0	128.2
7.0	15.0	102.9

6/27/2006 9:32:42 AM aligned for analyte Mn 257.610  
X viewing position set to -0.5 mm having Peak intensity 114822.8 for Radial viewing

Sequence No.: 1  
 Sample ID: Calib\_Bank\_1  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 5  
 Date Collected: 6/27/2006 9:43:40 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:00 PM  
 Initial Sample Vol:  
 Sample Prep Vol:

## Mean Data: Calib\_Bank\_1

Analyte	Mean Corrected		Calib	
	Intensity	Std.Dev.	RSD	Conc. Units
In Axial	271592.4	2774.36	1.02%	100.00 %
In Radial	12294.1	72.85	0.59%	100.00 %
Y_Axial	924815.3	7911.45	0.86%	100.00 %
Y_Radial	96879.2	1239.45	1.28%	100.00 %
Sc Axial	1022716.9	9064.40	0.89%	100.00 %
Sc Radial	105258.8	1292.28	1.23%	100.00 %
Al_1 396.153 R†	163.0	0.63	0.39%	[0.00] mg/L
Al_2 308.215 R†	109.4	3.23	2.95%	[0.00] mg/L
Ca 315.887 R†	-489.2	5.25	1.07%	[0.00] mg/L
Fe_1 273.955†	19.1	7.42	38.89%	[0.00] mg/L
Fe_2 238.863 R†	38.8	3.34	8.61%	[0.00] mg/L
Mg 279.077 R†	-63.4	3.58	5.64%	[0.00] mg/L
Na_1 589.592 R†	1686.4	123.83	7.34%	[0.00] mg/L
Na_2 330.237 R†	63.4	1.80	2.83%	[0.00] mg/L
Zn 206.200†	26.2	1.70	6.47%	[0.00] mg/L

Sequence No.: 2  
 Sample ID: Calib\_Std\_1  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 2  
 Date Collected: 6/27/2006 9:47:19 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:01 PM  
 Initial Sample Vol:  
 Sample Prep Vol:

## Mean Data: Calib\_Std\_1

Analyte	Mean Corrected	Std.Dev.	RSD	Calib	
	Intensity			Conc.	Units
In Axial	243030.0	2193.51	0.90%	89.483	%
In Radial	11605.6	12.04	0.10%	94.400	%
Y_Axial	873749.9	7617.84	0.87%	94.478	%
Y_Radial	93504.0	373.04	0.40%	96.516	%
Sc Axial	979188.5	9268.91	0.95%	95.744	%
Sc Radial	102288.1	468.02	0.46%	97.178	%
Al_1 396.153 Rt	636409.9	204.65	0.03%	[50]	mg/L
Al_2 308.215 Rt	173994.6	243.51	0.14%	[50]	mg/L
Ca 315.887 Rt	874063.9	390.96	0.04%	[50]	mg/L
Fe_1 273.955t	2518052.4	3758.62	0.15%	[50]	mg/L
Fe_2 238.863 Rt	55039.5	41.49	0.08%	[50]	mg/L
Mg 279.077 Rt	106296.5	18.60	0.02%	[50]	mg/L
Na_1 589.592 Rt	497001.1	321.15	0.06%	[50]	mg/L
Na_2 330.237 Rt	3721.1	29.77	0.80%	[50]	mg/L
Zn 206.200t	161407.5	514.36	0.32%	[5.0]	mg/L

Sequence No.: 3  
 Sample ID: Calib\_Std\_2  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 3  
 Date Collected: 6/27/2006 9:49:36 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:01 PM  
 Initial Sample Vol:  
 Sample Prep Vol:

## Mean Data: Calib\_Std\_2

Analyte	Mean Corrected		Calib		
	Intensity	Std.Dev.	RSD	Conc.	Units
In Axial	209522.5	411.89	0.20%	77.146	%
In Radial	10481.6	150.16	1.43%	85.258	%
Y_Axial	798314.0	506.36	0.06%	86.321	%
Y_Radial	86229.0	1192.40	1.38%	89.007	%
Sc Axial	892313.2	859.69	0.10%	87.249	%
Sc Radial	93435.6	1554.32	1.66%	88.767	%
Al_2 308.215 R†	885608.3	4033.06	0.46%	[250]	mg/L
Ca 315.887 R†	4243286.4	12858.52	0.30%	[250]	mg/L
Fe_2 238.863 R†	269436.5	618.71	0.23%	[250]	mg/L
Mg 279.077 R†	520439.0	1293.93	0.25%	[250]	mg/L
Na_1 589.592 R†	2517537.1	10718.67	0.43%	[250]	mg/L
Na_2 330.237 R†	17473.2	70.99	0.41%	[250]	mg/L

## Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al_1 396.153 R	1	Lin Thru 0	0.0	12730	0.00000	1.000000	
Al_2 308.215 R	2	Lin Thru 0	0.0	3540	0.00000	0.999994	
Ca 315.887 R	2	Lin Thru 0	0.0	16990	0.00000	0.999983	
Fe_1 273.955	1	Lin Thru 0	0.0	50360	0.00000	1.000000	
Fe_2 238.863 R	2	Lin Thru 0	0.0	1079	0.00000	0.999992	
Mg 279.077 R	2	Lin Thru 0	0.0	2083	0.00000	0.999992	
Na_1 589.592 R	2	Lin Thru 0	0.0	10070	0.00000	0.999997	
Na_2 330.237 R	2	Lin Thru 0	0.0	70.07	0.00000	0.999923	
Zn 206.200	1	Lin Thru 0	0.0	32280	0.00000	1.000000	

Sequence No.: 4  
 Sample ID: XCV4  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 10  
 Date Collected: 6/27/2006 9:51:54 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:02 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: XCV4

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	264058.6	97.226 %	1.0450			1.07%
In Radial	12097.2	98.399 %	0.0588			0.06%
Y_Axial	911063.1	98.513 %	0.3624			0.37%
Y_Radial	96063.1	99.158 %	0.0722			0.07%
Sc Axial	1014713.0	99.217 %	0.3386			0.34%
Sc Radial	104671.1	99.442 %	0.1537			0.15%
Al_1 396.153 Rt	127579.0	10.023 mg/L	0.0504	10.023 mg/L	0.0504	0.50%
Al_2 308.215 Rt	35457.6	10.016 mg/L	0.0268	10.016 mg/L	0.0268	0.27%
Ca 315.887 Rt	177291.0	10.433 mg/L	0.0616	10.433 mg/L	0.0616	0.59%
Fe_1 273.955†	522774.4	10.381 mg/L	0.1629	10.381 mg/L	0.1629	1.57%
Fe_2 238.863 Rt	11293.5	10.470 mg/L	0.0209	10.470 mg/L	0.0209	0.20%
Mg 279.077 Rt	21963.1	10.542 mg/L	0.0235	10.542 mg/L	0.0235	0.22%
Na_1 589.592 Rt	101991.1	10.133 mg/L	0.0856	10.133 mg/L	0.0856	0.84%
Na_2 330.237 Rt	784.0	10.591 mg/L	1.1380	10.591 mg/L	1.1380	10.74%
Zn 206.200†	33460.5	1.0365 mg/L	0.01564	1.0365 mg/L	0.01564	1.51%

Sequence No.: 5

Autosampler Location: 12

Sample ID: ICB

Date Collected: 6/27/2006 9:54:17 AM

Analyst: AWW

Data Type: Reprocessed on 6/27/2006 1:12:02 PM

Initial Sample Wt:

Initial Sample Vol: 1 mL

Dilution:

Sample Prep Vol: 1 mL

Mean Data: ICB

Analyte	Mean Corrected		Calib		Sample		RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
In Axial	276517.6	101.81	%	1.961				1.93%
In Radial	12421.1	101.03	%	1.290				1.28%
Y_Axial	939653.9	101.60	%	1.957				1.93%
Y_Radial	96311.6	99.414	%	0.9726				0.98%
Sc Axial	1038458.7	101.54	%	1.944				1.91%
Sc Radial	104733.1	99.501	%	0.6031				0.61%
Al_1 396.153 Rt	2.4	0.00019	mg/L	0.007021	0.00019	mg/L	0.007021	>999.9%
Al_2 308.215 Rt	8.3	0.00233	mg/L	0.002725	0.00233	mg/L	0.002725	116.73%
Ca 315.887 Rt	34.5	0.00203	mg/L	0.000029	0.00203	mg/L	0.000029	1.45%
Fe_1 273.955†	286.0	0.00568	mg/L	0.000027	0.00568	mg/L	0.000027	0.48%
Fe_2 238.863 Rt	11.9	0.01107	mg/L	0.004490	0.01107	mg/L	0.004490	40.55%
Mg 279.077 Rt	6.9	0.00330	mg/L	0.007541	0.00330	mg/L	0.007541	228.76%
Na_1 589.592 Rt	566.3	0.05627	mg/L	0.001669	0.05627	mg/L	0.001669	2.97%
Na_2 330.237 Rt	2.1	0.02995	mg/L	0.066318	0.02995	mg/L	0.066318	221.45%
Zn 206.200†	12.9	0.00040	mg/L	0.000068	0.00040	mg/L	0.000068	17.00%

Sequence No.: 6

Autosampler Location: 38

Sample ID: PQL

Date Collected: 6/27/2006 9:57:53 AM

Analyst: AWW

Data Type: Reprocessed on 6/27/2006 1:12:03 PM

Initial Sample Wt:

Initial Sample Vol: 0.0833 mL

Dilution:

Sample Prep Vol: 100 mL

**Mean Data: PQL**

Analyte	Mean Corrected		Calib		Sample		RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units		
In Axial	277955.3	102.34	%	1.067			1.04%	
In Radial	12350.8	100.46	%	0.770			0.77%	
Y_Axial	941924.5	101.85	%	1.171			1.15%	
Y_Radial	97239.9	100.37	%	2.013			2.01%	
Sc Axial	1040564.4	101.75	%	1.103			1.08%	
Sc Radial	105495.7	100.23	%	2.095			2.09%	
Al_1 396.153 Rt	1284.7	0.10094	mg/L	0.010196	121.17	mg/L	12.240	10.10%
Al_2 308.215 Rt	357.4	0.10097	mg/L	0.008337	121.21	mg/L	10.008	8.26%
Ca 315.887 Rt	1752.7	0.10314	mg/L	0.002475	123.82	mg/L	2.971	2.40%
Fe_1 273.955†	1542.7	0.03063	mg/L	0.000592	36.773	mg/L	0.7110	1.93%
Fe_2 238.863 Rt	36.3	0.03366	mg/L	0.000240	40.410	mg/L	0.2886	0.71%
Mg 279.077 Rt	211.9	0.10168	mg/L	0.004931	122.07	mg/L	5.920	4.85%
Na_1 589.592 Rt	2722.7	0.27051	mg/L	0.001304	324.74	mg/L	1.566	0.48%
Na_2 330.237 Rt	14.8	0.20735	mg/L	0.114730	248.92	mg/L	137.731	55.33%
Zn 206.200†	184.4	0.00571	mg/L	0.000039	6.8578	mg/L	0.04696	0.68%

Sequence No.: 7  
 Sample ID: ICSA  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 14  
 Date Collected: 6/27/2006 10:01:27 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:04 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: ICSA

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	208758.2	76.865 %	0.6130			0.80%
In Radial	10498.7	85.397 %	3.7330			4.37%
Y_Axial	782471.1	84.608 %	0.4307			0.51%
Y_Radial	86406.9	89.190 %	3.7492			4.20%
Sc Axial	871092.9	85.174 %	0.5406			0.63%
Sc Radial	92951.7	88.308 %	3.5007			3.96%
Al_1 396.153 Rt	6590193.8	517.76 mg/L	23.347	517.76 mg/L	23.347	4.51%
Al_2 308.215 Rt	1818273.7	513.63 mg/L	16.817	513.63 mg/L	16.817	3.27%
Ca 315.887 Rt	8641512.0	508.54 mg/L	23.669	508.54 mg/L	23.669	4.65%
Fe_1 273.955†	9464950.7	187.94 mg/L	2.763	187.94 mg/L	2.763	1.47%
Fe_2 238.863 Rt	211162.7	195.77 mg/L	1.255	195.77 mg/L	1.255	0.64%
Mg 279.077 Rt	1051047.8	504.47 mg/L	15.846	504.47 mg/L	15.846	3.14%
Na_1 589.592 Rt	288.7	0.02868 mg/L	0.011381	0.02868 mg/L	0.011381	39.68%
Na_2 330.237 Rt	-20.9	-1.9832 mg/L	1.71355	-1.9832 mg/L	1.71355	86.40%
Zn 206.200†	344.5	0.01067 mg/L	0.000764	0.01067 mg/L	0.000764	7.16%

Sequence No.: 8  
 Sample ID: XCSAB\_4.0  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 15  
 Date Collected: 6/27/2006 10:04:00 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:04 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: XCSAB\_4.0

Analyte	Mean Corrected		Calib	Sample			RSD	
	Intensity	Conc.		Conc.	Units	Std.Dev.		
In Axial	211751.0	77.966	%	0.9877			1.27%	
In Radial	10672.8	86.813	%	2.2866			2.63%	
Y_Axial	790626.3	85.490	%	1.0270			1.20%	
Y_Radial	88164.3	91.004	%	1.8628			2.05%	
Sc Axial	873042.5	85.365	%	0.9883			1.16%	
Sc Radial	94843.0	90.105	%	1.9041			2.11%	
Al_1 396.153 Rt	6368302.6	500.33	mg/L	10.185	500.33	mg/L	10.185	2.04%
Al_2 308.215 Rt	1751257.8	494.70	mg/L	11.023	494.70	mg/L	11.023	2.23%
Ca 315.887 Rt	8309778.8	489.02	mg/L	11.128	489.02	mg/L	11.128	2.28%
Fe_1 273.955t	9291414.2	184.50	mg/L	3.983	184.50	mg/L	3.983	2.16%
Fe_2 238.863 Rt	210296.4	194.97	mg/L	0.826	194.97	mg/L	0.826	0.42%
Mg 279.077 Rt	1007175.7	483.42	mg/L	11.548	483.42	mg/L	11.548	2.39%
Na_1 589.592 Rt	291.0	0.02891	mg/L	0.017969	0.02891	mg/L	0.017969	62.15%
Na_2 330.237 Rt	15.4	-1.9013	mg/L	0.77767	-1.9013	mg/L	0.77767	40.90%
Zn 206.200t	30311.8	0.93899	mg/L	0.002951	0.93899	mg/L	0.002951	0.31%

Sequence No.: 9  
 Sample ID: FB1815158  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 39  
 Date Collected: 6/27/2006 10:10:39 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:05 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

Mean Data: FB1815158

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	288423.6	106.20 %	0.748			0.70%
In Radial	13316.1	108.31 %	0.190			0.18%
Y_ Axial	971287.7	105.03 %	0.673			0.64%
Y_ Radial	104864.0	108.24 %	1.193			1.10%
Sc Axial	1073110.7	104.93 %	0.700			0.67%
Sc Radial	113729.2	108.05 %	0.836			0.77%
Al_1 396.153 Rt	157.9	0.01241 mg/L	0.004362	14.894 mg/L	5.2361	35.16%
Al_2 308.215 Rt	57.1	0.01612 mg/L	0.003336	19.352 mg/L	4.0053	20.70%
Ca 315.887 Rt	3742.3	0.22023 mg/L	0.002829	264.38 mg/L	3.396	1.28%
Fe_1 273.955†	1138.0	0.02260 mg/L	0.000493	27.128 mg/L	0.5917	2.18%
Fe_2 238.863 Rt	19.9	0.01846 mg/L	0.001229	22.157 mg/L	1.4759	6.66%
Mg 279.077 Rt	83.7	0.04020 mg/L	0.001786	48.255 mg/L	2.1446	4.44%
Na_1 589.592 Rt	5970.3	0.59316 mg/L	0.006763	712.08 mg/L	8.119	1.14%
Na_2 330.237 Rt	19.3	0.27305 mg/L	0.104838	327.79 mg/L	125.856	38.40%
Zn 206.200†	101.8	0.00315 mg/L	0.000083	3.7866 mg/L	0.09939	2.62%

Sequence No.: 10  
 Sample ID: H7RDQB  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 40  
 Date Collected: 6/27/2006 10:14:13 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:06 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H7RDQB

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	
In Axial	291703.0	107.40	%	1.142			1.06%
In Radial	13140.4	106.88	%	0.076			0.07%
Y_Axial	987383.2	106.77	%	1.348			1.26%
Y_Radial	101101.0	104.36	%	3.063			2.93%
Sc Axial	1089428.7	106.52	%	1.290			1.21%
Sc Radial	109650.2	104.17	%	3.141			3.02%
Al_1 396.153 Rt	-17.9	-0.00141	mg/L	0.004371	-1.6889	mg/L	5.24749 310.71%
Al_2 308.215 Rt	3.7	0.00105	mg/L	0.005235	1.2587	mg/L	6.28461 499.30%
Ca 315.887 Rt	-33.4	-0.00197	mg/L	0.000207	-2.3621	mg/L	0.24858 10.52%
Fe_1 273.955†	93.3	0.00185	mg/L	0.000385	2.2234	mg/L	0.46274 20.81%
Fe_2 238.863 Rt	-7.2	-0.00668	mg/L	0.003372	-8.0204	mg/L	4.04751 50.46%
Mg 279.077 Rt	8.4	0.00405	mg/L	0.001622	4.8577	mg/L	1.94749 40.09%
Na_1 589.592 Rt	3.5	0.00035	mg/L	0.001640	0.41477	mg/L	1.968929 474.71%
Na_2 330.237 Rt	-12.4	-0.17780	mg/L	0.018118	-213.45	mg/L	21.750 10.19%
Zn 206.200†	26.7	0.00083	mg/L	0.000148	0.99448	mg/L	0.177696 17.87%

Sequence No.: 11  
 Sample ID: H7RDQC  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 41  
 Date Collected: 6/27/2006 10:17:45 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:06 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H7RDQC

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	263185.4	96.905 %	0.5459			0.56%
In Radial	12629.0	102.72 %	0.442			0.43%
Y_Axial	925578.2	100.08 %	2.303			2.30%
Y_Radial	97754.1	100.90 %	3.901			3.87%
Sc Axial	1033729.8	101.08 %	2.411			2.39%
Sc Radial	107241.8	101.88 %	3.889			3.82%
Al_1 396.153 Rt	24296.9	1.9089 mg/L	0.02446	2291.6 mg/L	29.36	1.28%
Al_2 308.215 Rt	6715.3	1.8970 mg/L	0.07540	2277.3 mg/L	90.51	3.97%
Ca 315.887 Rt	802075.8	47.201 mg/L	0.1171	56664 mg/L	140.6	0.25%
Fe_1 273.955†	48107.4	0.95525 mg/L	0.016555	1146.8 mg/L	19.87	1.73%
Fe_2 238.863 Rt	1086.0	1.0068 mg/L	0.03963	1208.6 mg/L	47.58	3.94%
Mg 279.077 Rt	99183.2	47.605 mg/L	0.0858	57149 mg/L	103.0	0.18%
Na_1 589.592 Rt	471453.4	46.840 mg/L	0.4180	56231 mg/L	501.8	0.89%
Na_2 330.237 Rt	3323.9	46.935 mg/L	1.9985	56344 mg/L	2399.1	4.26%
Zn 206.200†	15309.3	0.47424 mg/L	0.008294	569.32 mg/L	9.956	1.75%

Sequence No.: 12  
 Sample ID: H7RDQL  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 42  
 Date Collected: 6/27/2006 10:20:42 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:07 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H7RDQL

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	263641.8	97.073 %	0.1079			0.11%
In Radial	12807.5	104.18 %	1.205			1.16%
Y_ Axial	930846.5	100.65 %	1.200			1.19%
Y_ Radial	100343.0	103.58 %	1.561			1.51%
Sc Axial	1040458.2	101.73 %	1.164			1.14%
Sc Radial	110219.0	104.71 %	1.544			1.47%
Al_1 396.153 Rt	23842.4	1.8732 mg/L	0.00108	2248.7 mg/L	1.30	0.06%
Al_2 308.215 Rt	6515.3	1.8405 mg/L	0.01484	2209.4 mg/L	17.81	0.81%
Ca 315.887 Rt	787688.4	46.355 mg/L	0.0704	55648 mg/L	84.5	0.15%
Fe_1 273.955†	47345.9	0.94013 mg/L	0.005844	1128.6 mg/L	7.02	0.62%
Fe_2 238.863 Rt	1059.6	0.98235 mg/L	0.011750	1179.3 mg/L	14.11	1.20%
Mg 279.077 Rt	97587.7	46.839 mg/L	0.0988	56230 mg/L	118.6	0.21%
Na_1 589.592 Rt	463061.1	46.006 mg/L	0.0609	55230 mg/L	73.1	0.13%
Na_2 330.237 Rt	3198.3	45.152 mg/L	0.5887	54204 mg/L	706.8	1.30%
Zn 206.200†	15035.6	0.46577 mg/L	0.003746	559.14 mg/L	4.497	0.80%

Sequence No.: 13  
 Sample ID: H64GW  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 43  
 Date Collected: 6/27/2006 10:24:13 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:08 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64GW

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	297754.2	109.63 %	0.015			0.01%
In Radial	13412.1	109.09 %	0.850			0.78%
Y_ Axial	1002032.0	108.35 %	0.063			0.06%
Y_ Radial	104328.3	107.69 %	2.147			1.99%
Sc Axial	1107668.1	108.31 %	0.088			0.08%
Sc Radial	113270.6	107.61 %	1.903			1.77%
Al_1 396.153 Rt	2223.4	0.17469 mg/L	0.006900	209.71 mg/L	8.284	3.95%
Al_2 308.215 Rt	614.5	0.17358 mg/L	0.006316	208.38 mg/L	7.582	3.64%
Ca 315.887 Rt	5876.4	0.34582 mg/L	0.001669	415.15 mg/L	2.004	0.48%
Fe_1 273.955†	9431.6	0.18728 mg/L	0.000523	224.83 mg/L	0.628	0.28%
Fe_2 238.863 Rt	205.0	0.19009 mg/L	0.000470	228.20 mg/L	0.564	0.25%
Mg 279.077 Rt	266.7	0.12801 mg/L	0.001075	153.67 mg/L	1.290	0.84%
Na_1 589.592 Rt	6622.5	0.65796 mg/L	0.011210	789.87 mg/L	13.457	1.70%
Na_2 330.237 Rt	46.6	0.66059 mg/L	0.064334	793.03 mg/L	77.231	9.74%
Zn 206.200†	211.8	0.00656 mg/L	0.000044	7.8749 mg/L	0.05277	0.67%

Sequence No.: 14  
 Sample ID: H64GWP5  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution: 5X

Autosampler Location: 44  
 Date Collected: 6/27/2006 10:27:46 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:08 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

Mean Data: H64GWP5

Analyte	Mean Corrected		Calib		Sample		RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
In Axial	287099.4	105.71	%	0.238				0.23%
In Radial	13027.8	105.97	%	0.257				0.24%
Y_ Axial	970697.3	104.96	%	0.263				0.25%
Y_ Radial	103155.0	106.48	%	2.317				2.18%
Sc Axial	1074368.7	105.05	%	0.176				0.17%
Sc Radial	112152.0	106.55	%	2.386				2.24%
Al_1 396.153 Rt	468.0	0.03677	mg/L	0.002515	220.71	mg/L	15.097	6.84%
Al_2 308.215 Rt	124.4	0.03514	mg/L	0.007645	210.90	mg/L	45.888	21.76%
Ca 315.887 Rt	1214.7	0.07148	mg/L	0.001013	429.07	mg/L	6.080	1.42%
Fe_1 273.955†	1906.7	0.03786	mg/L	0.000397	227.26	mg/L	2.380	1.05%
Fe_2 238.863 Rt	42.9	0.03979	mg/L	0.003226	238.85	mg/L	19.364	8.11%
Mg 279.077 Rt	62.9	0.03017	mg/L	0.001720	181.11	mg/L	10.322	5.70%
Na_1 589.592 Rt	1352.4	0.13436	mg/L	0.016026	806.51	mg/L	96.192	11.93%
Na_2 330.237 Rt	5.0	0.07006	mg/L	0.110380	420.51	mg/L	662.547	157.56%
Zn 206.200†	63.2	0.00196	mg/L	0.000010	11.747	mg/L	0.0586	0.50%

Sequence No.: 15  
 Sample ID: H64GWZ  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 45  
 Date Collected: 6/27/2006 10:31:21 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:09 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64GWZ

Analyte	Mean Corrected		Calib	Sample			RSD	
	Intensity	Conc.		Conc.	Units	Std.Dev.		
In Axial	267921.8	98.648	%	0.9792			0.99%	
In Radial	12876.1	104.73	%	0.348			0.33%	
Y_Axial	932785.2	100.86	%	0.319			0.32%	
Y_Radial	99445.3	102.65	%	2.794			2.72%	
Sc Axial	1042505.4	101.93	%	0.390			0.38%	
Sc Radial	109191.2	103.74	%	3.036			2.93%	
Al_1 396.153 Rt	28200.7	2.2156	mg/L	0.00432	2659.8	mg/L	5.19	0.20%
Al_2 308.215 Rt	7815.6	2.2078	mg/L	0.06626	2650.4	mg/L	79.55	3.00%
Ca 315.887 Rt	860811.2	50.658	mg/L	0.3449	60814	mg/L	414.1	0.68%
Fe_1 273.955†	61449.1	1.2202	mg/L	0.01618	1464.8	mg/L	19.42	1.33%
Fe_2 238.863 Rt	1365.6	1.2661	mg/L	0.03270	1519.9	mg/L	39.26	2.58%
Mg 279.077 Rt	106163.8	50.956	mg/L	0.3996	61171	mg/L	479.7	0.78%
Na_1 589.592 Rt	494782.7	49.158	mg/L	0.0023	59013	mg/L	2.7	0.00%
Na_2 330.237 Rt	3460.5	48.839	mg/L	1.5563	58630	mg/L	1868.3	3.19%
Zn 206.200†	16945.3	0.52492	mg/L	0.006537	630.16	mg/L	7.847	1.25%

Sequence No.: 16  
 Sample ID: CCV  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 7  
 Date Collected: 6/27/2006 10:34:51 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:09 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCV

Analyte	Mean Corrected		Calib	Sample			RSD
	Intensity	Conc.		Conc.	Units	Std.Dev.	
In Axial	263848.5	97.149	%	1.2495			1.29%
In Radial	12386.3	100.75	%	0.314			0.31%
Y_Axial	924338.4	99.948	%	1.1487			1.15%
Y_Radial	98565.4	101.74	%	0.535			0.53%
Sc Axial	1031384.7	100.85	%	1.264			1.25%
Sc Radial	107611.3	102.23	%	0.752			0.74%
Al_1 396.153 R†	305500.4	24.002	mg/L	0.1604	24.002	mg/L	0.1604
Al_2 308.215 R†	83778.8	23.666	mg/L	0.0078	23.666	mg/L	0.0078
Ca 315.887 R†	424208.4	24.964	mg/L	0.1978	24.964	mg/L	0.1978
Fe_1 273.955†	1221853.8	24.262	mg/L	0.0408	24.262	mg/L	0.0408
Fe_2 238.863 R†	26641.4	24.699	mg/L	0.0550	24.699	mg/L	0.0550
Mg 279.077 R†	51463.7	24.701	mg/L	0.0117	24.701	mg/L	0.0117
Na_1 589.592 R†	241054.6	23.949	mg/L	0.1447	23.949	mg/L	0.1447
Na_2 330.237 R†	1748.5	23.561	mg/L	0.5448	23.561	mg/L	0.5448
Zn 206.200†	77982.6	2.4157	mg/L	0.00435	2.4157	mg/L	0.00435

Sequence No.: 17  
 Sample ID: CCB  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 5  
 Date Collected: 6/27/2006 10:37:06 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:10 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCB

Analyte	Mean Corrected		Calib		Sample		RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
In Axial	286231.5	105.39	%	0.423				0.40%
In Radial	13146.7	106.94	%	1.166				1.09%
Y_Axial	967922.3	104.66	%	0.520				0.50%
Y_Radial	102576.0	105.88	%	0.048				0.05%
Sc Axial	1070785.1	104.70	%	0.478				0.46%
Sc Radial	111493.1	105.92	%	0.004				0.00%
Al_1 396.153 Rt	-2.0	-0.00015	mg/L	0.000489	-0.00015	mg/L	0.000489	317.78%
Al_2 308.215 Rt	-0.5	-0.00014	mg/L	0.000144	-0.00014	mg/L	0.000144	103.08%
Ca 315.887 Rt	52.3	0.00308	mg/L	0.000004	0.00308	mg/L	0.000004	0.14%
Fe_1 273.955†	126.4	0.00251	mg/L	0.000059	0.00251	mg/L	0.000059	2.33%
Fe_2 238.863 Rt	29.4	0.02725	mg/L	0.027657	0.02725	mg/L	0.027657	101.50%
Mg 279.077 Rt	8.3	0.00398	mg/L	0.006676	0.00398	mg/L	0.006676	167.87%
Na_1 589.592 Rt	340.1	0.03379	mg/L	0.006028	0.03379	mg/L	0.006028	17.84%
Na_2 330.237 Rt	-19.1	-0.27236	mg/L	0.080009	-0.27236	mg/L	0.080009	29.38%
Zn 206.200†	16.4	0.00051	mg/L	0.000027	0.00051	mg/L	0.000027	5.25%

Sequence No.: 18  
 Sample ID: H64G5  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 46  
 Date Collected: 6/27/2006 10:40:41 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:11 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64G5

Analyte	Mean Corrected		Calib	Sample			RSD	
	Intensity	Conc.		Units	Conc.	Units		
In Axial	296240.9	109.08	%		1.970		1.81%	
In Radial	13554.4	110.25	%		0.354		0.32%	
Y_Axial	996736.7	107.78	%		2.121		1.97%	
Y_Radial	106270.5	109.69	%		0.167		0.15%	
Sc Axial	1101983.2	107.75	%		2.068		1.92%	
Sc Radial	115476.6	109.71	%		0.184		0.17%	
Al_1 396.153 Rt	3134.1	0.24623	mg/L		0.006590	295.60 mg/L	7.911	2.68%
Al_2 308.215 Rt	877.2	0.24780	mg/L		0.004741	297.47 mg/L	5.691	1.91%
Ca 315.887 Rt	6409.8	0.37721	mg/L		0.001286	452.83 mg/L	1.543	0.34%
Fe_1 273.955†	12419.4	0.24661	mg/L		0.004979	296.05 mg/L	5.977	2.02%
Fe_2 238.863 Rt	258.4	0.23958	mg/L		0.000828	287.61 mg/L	0.994	0.35%
Mg 279.077 Rt	315.8	0.15158	mg/L		0.004155	181.97 mg/L	4.988	2.74%
Na_1 589.592 Rt	6206.8	0.61667	mg/L		0.010604	740.29 mg/L	12.730	1.72%
Na_2 330.237 Rt	28.8	0.40713	mg/L		0.185896	488.75 mg/L	223.165	45.66%
Zn 206.200†	141.5	0.00438	mg/L		0.000110	5.2629 mg/L	0.13153	2.50%

Sequence No.: 19  
 Sample ID: H64G6  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 47  
 Date Collected: 6/27/2006 10:44:14 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:12 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64G6

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	296858.5	109.30 %	0.276			0.25%
In Radial	13521.3	109.98 %	0.537			0.49%
Y_Axial	999908.6	108.12 %	0.322			0.30%
Y_Radial	104239.5	107.60 %	2.351			2.18%
Sc Axial	1105284.2	108.07 %	0.314			0.29%
Sc Radial	113150.6	107.50 %	2.175			2.02%
Al_1 396.153 Rt	1743.1	0.13695 mg/L	0.004656	164.40 mg/L	5.589	3.40%
Al_2 308.215 Rt	516.8	0.14599 mg/L	0.007048	175.25 mg/L	8.461	4.83%
Ca 315.887 Rt	6051.8	0.35614 mg/L	0.000426	427.54 mg/L	0.512	0.12%
Fe_1 273.955†	8295.4	0.16472 mg/L	0.000200	197.74 mg/L	0.241	0.12%
Fe_2 238.863 Rt	181.7	0.16843 mg/L	0.010860	202.19 mg/L	13.037	6.45%
Mg 279.077 Rt	237.6	0.11402 mg/L	0.003546	136.88 mg/L	4.257	3.11%
Na_1 589.592 Rt	5990.0	0.59512 mg/L	0.000389	714.43 mg/L	0.467	0.07%
Na_2 330.237 Rt	13.6	0.19096 mg/L	0.089725	229.25 mg/L	107.713	46.99%
Zn 206.200†	118.7	0.00368 mg/L	0.000076	4.4154 mg/L	0.09085	2.06%

Sequence No.: 20  
 Sample ID: H64G7  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 48  
 Date Collected: 6/27/2006 10:47:48 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:12 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64G7

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	294426.6	108.41 %	1.306			1.20%
In Radial	13685.3	111.32 %	0.193			0.17%
Y_Axial	990574.1	107.11 %	1.064			0.99%
Y_Radial	105399.0	108.79 %	1.760			1.62%
Sc Axial	1095947.5	107.16 %	1.173			1.09%
Sc Radial	1144486.9	108.77 %	1.877			1.73%
Al_1 396.153 Rt	2545.4	0.19998 mg/L	0.001626	240.08 mg/L	1.951	0.81%
Al_2 308.215 Rt	717.1	0.20257 mg/L	0.001113	243.18 mg/L	1.337	0.55%
Ca 315.887 Rt	7025.7	0.41345 mg/L	0.001598	496.34 mg/L	1.919	0.39%
Fe_1 273.955†	12521.1	0.24863 mg/L	0.005554	298.47 mg/L	6.668	2.23%
Fe_2 238.863 Rt	257.7	0.23890 mg/L	0.005331	286.79 mg/L	6.400	2.23%
Mg 279.077 Rt	314.2	0.15081 mg/L	0.000291	181.04 mg/L	0.350	0.19%
Na_1 589.592 Rt	6449.8	0.64081 mg/L	0.005125	769.28 mg/L	6.153	0.80%
Na_2 330.237 Rt	15.2	0.21260 mg/L	0.047790	255.23 mg/L	57.371	22.48%
Zn 206.200†	160.4	0.00497 mg/L	0.000113	5.9661 mg/L	0.13512	2.26%

Sequence No.: 21

Autosampler Location: 49

Sample ID: H64G8

Date Collected: 6/27/2006 10:51:24 AM

Analyst: AWW

Data Type: Reprocessed on 6/27/2006 1:12:13 PM

Initial Sample Wt:

Initial Sample Vol: 0.0833 mL

Dilution:

Sample Prep Vol: 100 mL

## Mean Data: H64G8

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	301969.9	111.18 %	0.615			0.55%
In Radial	13806.3	112.30 %	0.255			0.23%
Y_Axial	1015056.8	109.76 %	0.738			0.67%
Y_Radial	105805.5	109.21 %	1.380			1.26%
Sc Axial	1122016.0	109.71 %	0.719			0.66%
Sc Radial	114966.6	109.22 %	1.157			1.06%
Al_1 396.153 Rt	2609.0	0.20498 mg/L	0.002336	246.07 mg/L	2.804	1.14%
Al_2 308.215 Rt	767.1	0.21670 mg/L	0.010100	260.15 mg/L	12.125	4.66%
Ca 315.887 Rt	7205.1	0.42401 mg/L	0.004438	509.02 mg/L	5.328	1.05%
Fe_1 273.955†	15774.9	0.31324 mg/L	0.004328	376.03 mg/L	5.195	1.38%
Fe_2 238.863 Rt	347.8	0.32247 mg/L	0.005497	387.12 mg/L	6.599	1.70%
Mg 279.077 Rt	303.0	0.14541 mg/L	0.003006	174.56 mg/L	3.609	2.07%
Na_1 589.592 Rt	6069.1	0.60299 mg/L	0.003219	723.87 mg/L	3.864	0.53%
Na_2 330.237 Rt	16.4	0.23108 mg/L	0.041693	277.40 mg/L	50.051	18.04%
Zn 206.200†	111.7	0.00346 mg/L	0.000143	4.1539 mg/L	0.17185	4.14%

Sequence No.: 22  
 Sample ID: H64G9  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 50  
 Date Collected: 6/27/2006 10:55:00 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:14 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64G9

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	
In Axial	294577.8	108.46	%	0.084			0.08%
In Radial	13641.1	110.96	%	0.611			0.55%
Y_ Axial	988982.3	106.94	%	0.006			0.01%
Y_ Radial	107662.4	111.13	%	2.310			2.08%
Sc Axial	1093566.3	106.93	%	0.055			0.05%
Sc Radial	117101.5	111.25	%	2.321			2.09%
Al_1 396.153 Rt	3068.8	0.24110	mg/L	0.000925	289.44	mg/L	1.111
Al_2 308.215 Rt	840.7	0.23750	mg/L	0.008479	285.11	mg/L	10.179
Ca 315.887 Rt	7394.3	0.43515	mg/L	0.002459	522.38	mg/L	2.953
Fe_1 273.955†	13866.5	0.27534	mg/L	0.002672	330.54	mg/L	3.207
Fe_2 238.863 Rt	277.8	0.25751	mg/L	0.006603	309.13	mg/L	7.927
Mg 279.077 Rt	343.7	0.16495	mg/L	0.002938	198.01	mg/L	3.527
Na_1 589.592 Rt	6087.9	0.60485	mg/L	0.018560	726.10	mg/L	22.281
Na_2 330.237 Rt	26.1	0.36904	mg/L	0.095591	443.03	mg/L	114.755
Zn 206.200†	127.0	0.00393	mg/L	0.000062	4.7238	mg/L	0.07485

Sequence No.: 23

Autosampler Location: 51

Sample ID: H64HA

Date Collected: 6/27/2006 10:58:37 AM

Analyst: AWW

Data Type: Reprocessed on 6/27/2006 1:12:15 PM

Initial Sample Wt:

Initial Sample Vol: 0.0833 mL

Dilution:

Sample Prep Vol: 100 mL

**Mean Data: H64HA**

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity	Conc. Units			Conc. Units	Std.Dev.	
In Axial	306720.3	112.93 %	1.400				1.24%
In Radial	13826.2	112.46 %	0.541				0.48%
Y_Axial	1030924.7	111.47 %	1.206				1.08%
Y_Radial	106944.1	110.39 %	0.353				0.32%
Sc Axial	1140625.4	111.53 %	1.343				1.20%
Sc Radial	116061.5	110.26 %	0.409				0.37%
Al_1 396.153 Rt	2141.4	0.16824 mg/L	0.004261	201.97 mg/L	5.115	2.53%	
Al_2 308.215 Rt	608.0	0.17175 mg/L	0.002624	206.19 mg/L	3.150	1.53%	
Ca 315.887 Rt	5919.9	0.34838 mg/L	0.002143	418.22 mg/L	2.572	0.62%	
Fe_1 273.955†	9487.0	0.18838 mg/L	0.001538	226.15 mg/L	1.846	0.82%	
Fe_2 238.863 Rt	207.0	0.19193 mg/L	0.002538	230.41 mg/L	3.047	1.32%	
Mg 279.077 Rt	265.2	0.12727 mg/L	0.001195	152.78 mg/L	1.435	0.94%	
Na_1 589.592 Rt	6051.3	0.60121 mg/L	0.001443	721.74 mg/L	1.733	0.24%	
Na_2 330.237 Rt	13.1	0.18429 mg/L	0.259047	221.24 mg/L	310.980	140.56%	
Zn 206.200†	100.6	0.00312 mg/L	0.000120	3.7404 mg/L	0.14377	3.84%	

Sequence No.: 24  
 Sample ID: H64HC  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 52  
 Date Collected: 6/27/2006 11:02:13 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:16 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HC

Analyte	Mean Corrected		Calib		Sample		RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
In Axial	301195.5	110.90	%	0.118				0.11%
In Radial	13743.7	111.79	%	1.771				1.58%
Y_Axial	1014710.2	109.72	%	0.145				0.13%
Y_Radial	107155.6	110.61	%	0.109				0.10%
Sc Axial	1121286.0	109.64	%	0.153				0.14%
Sc Radial	116191.2	110.39	%	0.016				0.01%
Al_1 396.153 Rt	27.6	0.00217	mg/L	0.004102	2.6054	mg/L	4.92489	189.03%
Al_2 308.215 Rt	30.1	0.00851	mg/L	0.001682	10.218	mg/L	2.0196	19.76%
Ca 315.887 Rt	3239.6	0.19064	mg/L	0.003793	228.87	mg/L	4.554	1.99%
Fe_1 273.955†	852.6	0.01693	mg/L	0.000255	20.323	mg/L	0.3063	1.51%
Fe_2 238.863 Rt	16.2	0.01500	mg/L	0.000571	18.013	mg/L	0.6849	3.80%
Mg 279.077 Rt	69.6	0.03339	mg/L	0.000616	40.086	mg/L	0.7399	1.85%
Na_1 589.592 Rt	5660.0	0.56233	mg/L	0.003846	675.07	mg/L	4.617	0.68%
Na_2 330.237 Rt	26.7	0.37852	mg/L	0.164285	454.40	mg/L	197.221	43.40%
Zn 206.200†	74.4	0.00230	mg/L	0.000068	2.7670	mg/L	0.08149	2.95%

Sequence No.: 25  
 Sample ID: H64HD  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 53  
 Date Collected: 6/27/2006 11:05:51 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:16 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HD

Analyte	Mean Corrected		Calib		Sample			
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
In Axial	301568.0	111.04	%	0.569				0.51%
In Radial	13892.8	113.00	%	0.054				0.05%
Y_Axial	1011040.5	109.32	%	0.473				0.43%
Y_Radial	108114.0	111.60	%	2.436				2.18%
Sc Axial	1118808.0	109.40	%	0.526				0.48%
Sc Radial	117502.3	111.63	%	2.679				2.40%
Al_1 396.153 Rt	6907.1	0.54266	mg/L	0.001238	651.45	mg/L	1.486	0.23%
Al_2 308.215 Rt	1891.5	0.53432	mg/L	0.012808	641.45	mg/L	15.375	2.40%
Ca 315.887 Rt	11515.1	0.67765	mg/L	0.003710	813.51	mg/L	4.454	0.55%
Fe_1 273.955†	30603.6	0.60768	mg/L	0.001758	729.51	mg/L	2.111	0.29%
Fe_2 238.863 Rt	653.9	0.60623	mg/L	0.016479	727.77	mg/L	19.782	2.72%
Mg 279.077 Rt	688.1	0.33026	mg/L	0.006716	396.47	mg/L	8.062	2.03%
Na_1 589.592 Rt	6543.7	0.65013	mg/L	0.018219	780.47	mg/L	21.871	2.80%
Na_2 330.237 Rt	10.7	0.14907	mg/L	0.126109	178.96	mg/L	151.391	84.60%
Zn 206.200†	199.4	0.00618	mg/L	0.000111	7.4168	mg/L	0.13299	1.79%

Sequence No.: 26  
 Sample ID: H64HG  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 54  
 Date Collected: 6/27/2006 11:09:24 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:17 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HG

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	305494.7	112.48 %	2.635			2.34%
In Radial	14024.6	114.08 %	0.721			0.63%
Y_ Axial	1023819.3	110.71 %	2.537			2.29%
Y_ Radial	110926.4	114.50 %	0.476			0.42%
Sc Axial	1133581.4	110.84 %	2.550			2.30%
Sc Radial	120492.5	114.47 %	0.292			0.26%
Al_1 396.153 Rt	8138.1	0.63938 mg/L	0.006560	767.56 mg/L	7.875	1.03%
Al_2 308.215 Rt	2192.7	0.61939 mg/L	0.005003	743.56 mg/L	6.006	0.81%
Ca 315.887 Rt	11680.8	0.68740 mg/L	0.002159	825.21 mg/L	2.592	0.31%
Fe_1 273.955†	31931.9	0.63406 mg/L	0.003504	761.18 mg/L	4.207	0.55%
Fe_2 238.863 Rt	667.7	0.61901 mg/L	0.006153	743.11 mg/L	7.386	0.99%
Mg 279.077 Rt	720.4	0.34578 mg/L	0.002228	415.11 mg/L	2.675	0.64%
Na_1 589.592 Rt	6413.6	0.63721 mg/L	0.013155	764.96 mg/L	15.793	2.06%
Na_2 330.237 Rt	19.8	0.27812 mg/L	0.288874	333.88 mg/L	346.787	103.87%
Zn 206.200†	197.6	0.00612 mg/L	0.000090	7.3501 mg/L	0.10754	1.46%

Sequence No.: 27  
 Sample ID: H64HH  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 55  
 Date Collected: 6/27/2006 11:12:57 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:17 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HH

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	307604.6	113.26 %	1.167			1.03%
In Radial	13999.9	113.88 %	0.393			0.35%
Y_Axial	1034477.9	111.86 %	1.084			0.97%
Y_Radial	107624.9	111.09 %	0.780			0.70%
Sc Axial	1144147.3	111.87 %	1.065			0.95%
Sc Radial	117010.5	111.16 %	0.913			0.82%
Al_1 396.153 Rt	3843.7	0.30199 mg/L	0.001259	362.53 mg/L	1.512	0.42%
Al_2 308.215 Rt	1083.9	0.30620 mg/L	0.006310	367.58 mg/L	7.575	2.06%
Ca 315.887 Rt	8825.7	0.51938 mg/L	0.003207	623.51 mg/L	3.850	0.62%
Fe_1 273.955t	19420.0	0.38562 mg/L	0.005599	462.92 mg/L	6.722	1.45%
Fe_2 238.863 Rt	416.7	0.38635 mg/L	0.000843	463.81 mg/L	1.012	0.22%
Mg 279.077 Rt	457.3	0.21951 mg/L	0.001293	263.52 mg/L	1.552	0.59%
Na_1 589.592 Rt	6128.3	0.60886 mg/L	0.002299	730.92 mg/L	2.760	0.38%
Na_2 330.237 Rt	11.7	0.16278 mg/L	0.179479	195.42 mg/L	215.461	110.26%
Zn 206.200t	188.5	0.00584 mg/L	0.000228	7.0111 mg/L	0.27328	3.90%

Sequence No.: 28

Autosampler Location: 7

Sample ID: CCV

Date Collected: 6/27/2006 11:16:30 AM

Analyst: AWW

Data Type: Reprocessed on 6/27/2006 1:12:19 PM

Initial Sample Wt:

Initial Sample Vol: 1 mL

Dilution:

Sample Prep Vol: 1 mL

**Mean Data: CCV**

Analyte	Mean Corrected		Calib	Sample			RSD
	Intensity	Conc.		Conc.	Units	Std.Dev.	
In Axial	276200.8	101.70	%	1.027			1.01%
In Radial	12953.6	105.36	%	1.042			0.99%
Y_Axial	966207.7	104.48	%	1.117			1.07%
Y_Radial	102379.9	105.68	%	0.799			0.76%
Sc Axial	1078739.7	105.48	%	1.032			0.98%
Sc Radial	111584.6	106.01	%	0.961			0.91%
Al_1 396.153 Rt	295384.0	23.207	mg/L	0.0912	23.207	mg/L	0.0912
Al_2 308.215 Rt	80407.1	22.714	mg/L	0.0129	22.714	mg/L	0.0129
Ca 315.887 Rt	412009.3	24.246	mg/L	0.1220	24.246	mg/L	0.1220
Fe_1 273.955†	1177183.6	23.375	mg/L	0.0484	23.375	mg/L	0.0484
Fe_2 238.863 Rt	25494.5	23.636	mg/L	0.0404	23.636	mg/L	0.0404
Mg 279.077 Rt	49491.6	23.755	mg/L	0.0673	23.755	mg/L	0.0673
Na_1 589.592 Rt	233180.9	23.167	mg/L	0.0861	23.167	mg/L	0.0861
Na_2 330.237 Rt	1693.1	22.809	mg/L	0.4600	22.809	mg/L	0.4600
Zn 206.200†	75728.8	2.3459	mg/L	0.01085	2.3459	mg/L	0.01085

Sequence No.: 29

Autosampler Location: 5

Sample ID: CCB

Date Collected: 6/27/2006 11:18:46 AM

Analyst: AWW

Data Type: Reprocessed on 6/27/2006 1:12:19 PM

Initial Sample Wt:

Initial Sample Vol: 1 mL

Dilution:

Sample Prep Vol: 1 mL

## Mean Data: CCB

Analyte	Mean Corrected		Calib		Sample			
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
In Axial	301775.4	111.11	%	0.065				0.06%
In Radial	13612.9	110.73	%	0.326				0.29%
Y_Axial	1019598.1	110.25	%	0.053				0.05%
Y_Radial	107915.1	111.39	%	1.460				1.31%
Sc Axial	1127803.9	110.28	%	0.094				0.09%
Sc Radial	117181.1	111.33	%	1.294				1.16%
Al_1 396.153 Rt	-0.1	-0.00001	mg/L	0.001541	-0.00001	mg/L	0.001541	>999.9%
Al_2 308.215 Rt	-1.0	-0.00029	mg/L	0.007002	-0.00029	mg/L	0.007002	>999.9%
Ca 315.887 Rt	71.2	0.00419	mg/L	0.000677	0.00419	mg/L	0.000677	16.15%
Fe_1 273.955†	94.3	0.00187	mg/L	0.000365	0.00187	mg/L	0.000365	19.47%
Fe_2 238.863 Rt	-0.4	-0.00034	mg/L	0.002875	-0.00034	mg/L	0.002875	848.21%
Mg 279.077 Rt	9.0	0.00430	mg/L	0.003776	0.00430	mg/L	0.003776	87.89%
Na_1 589.592 Rt	-154.1	-0.01531	mg/L	0.009596	-0.01531	mg/L	0.009596	62.69%
Na_2 330.237 Rt	-8.1	-0.11510	mg/L	0.123424	-0.11510	mg/L	0.123424	107.24%
Zn 206.200†	6.6	0.00020	mg/L	0.000081	0.00020	mg/L	0.000081	39.51%

Sequence No.: 30  
 Sample ID: H64HJ  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 56  
 Date Collected: 6/27/2006 11:22:21 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:20 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HJ

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	306393.5	112.81 %	0.711			0.63%
In Radial	14098.2	114.67 %	2.090			1.82%
Y_Axial	1029515.2	111.32 %	0.623			0.56%
Y_Radial	108363.7	111.85 %	0.829			0.74%
Sc Axial	1139503.0	111.42 %	0.709			0.64%
Sc Radial	117848.2	111.96 %	1.016			0.91%
Al_1 396.153 Rt	5042.6	0.39617 mg/L	0.000443	475.60 mg/L	0.532	0.11%
Al_2 308.215 Rt	1399.3	0.39527 mg/L	0.004139	474.51 mg/L	4.968	1.05%
Ca 315.887 Rt	10718.5	0.63077 mg/L	0.000717	757.23 mg/L	0.861	0.11%
Fe_1 273.955†	24603.4	0.48854 mg/L	0.000109	586.48 mg/L	0.131	0.02%
Fe_2 238.863 Rt	532.2	0.49344 mg/L	0.001353	592.36 mg/L	1.624	0.27%
Mg 279.077 Rt	567.5	0.27236 mg/L	0.003020	326.96 mg/L	3.626	1.11%
Na_1 589.592 Rt	6654.1	0.66110 mg/L	0.004871	793.64 mg/L	5.847	0.74%
Na_2 330.237 Rt	29.9	0.42165 mg/L	0.035492	506.18 mg/L	42.607	8.42%
Zn 206.200†	248.1	0.00769 mg/L	0.000057	9.2263 mg/L	0.06861	0.74%

Sequence No.: 31  
 Sample ID: H64HK  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 57  
 Date Collected: 6/27/2006 11:25:54 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:21 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HK

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	311058.6	114.53 %	2.047			1.79%
In Radial	14273.2	116.10 %	0.625			0.54%
Y_Axial	1032953.4	111.69 %	2.189			1.96%
Y_Radial	110321.4	113.88 %	2.479			2.18%
Sc Axial	1144196.8	111.88 %	2.150			1.92%
Sc Radial	119849.4	113.86 %	2.484			2.18%
Al_1 396.153 Rt	9074.8	0.71297 mg/L	0.009216	855.90 mg/L	11.063	1.29%
Al_2 308.215 Rt	2496.9	0.70532 mg/L	0.012844	846.72 mg/L	15.419	1.82%
Ca 315.887 Rt	18924.4	1.1137 mg/L	0.01531	1336.9 mg/L	18.38	1.37%
Fe_1 273.955†	70304.2	1.3960 mg/L	0.00151	1675.9 mg/L	1.82	0.11%
Fe_2 238.863 Rt	1479.7	1.3718 mg/L	0.02541	1646.9 mg/L	30.51	1.85%
Mg 279.077 Rt	883.9	0.42424 mg/L	0.005761	509.29 mg/L	6.916	1.36%
Na_1 589.592 Rt	8418.0	0.83635 mg/L	0.002533	1004.0 mg/L	3.04	0.30%
Na_2 330.237 Rt	23.5	0.33214 mg/L	0.154322	398.73 mg/L	185.260	46.46%
Zn 206.200†	201.5	0.00624 mg/L	0.000180	7.4919 mg/L	0.21655	2.89%

Sequence No.: 32  
 Sample ID: H64HL  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 58  
 Date Collected: 6/27/2006 11:29:27 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:21 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HL

Analyte	Mean Corrected	Calib	Sample			RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.		
In Axial	310505.8	114.33	%	0.762		0.67%	
In Radial	14154.3	115.13	%	0.027		0.02%	
Y_Axial	1039243.8	112.37	%	0.772		0.69%	
Y_Radial	111397.9	114.99	%	0.436		0.38%	
Sc Axial	1150284.1	112.47	%	0.814		0.72%	
Sc Radial	121003.4	114.96	%	0.470		0.41%	
Al_1 396.153 Rt	7088.1	0.55689	mg/L	0.002385	668.53 mg/L	2.863	0.43%
Al_2 308.215 Rt	1921.5	0.54280	mg/L	0.004339	651.62 mg/L	5.209	0.80%
Ca 315.887 Rt	12727.6	0.74900	mg/L	0.001245	899.16 mg/L	1.494	0.17%
Fe_1 273.955†	33011.1	0.65549	mg/L	0.000019	786.90 mg/L	0.022	0.00%
Fe_2 238.863 Rt	686.8	0.63677	mg/L	0.009921	764.43 mg/L	11.910	1.56%
Mg 279.077 Rt	733.4	0.35199	mg/L	0.003126	422.56 mg/L	3.752	0.89%
Na_1 589.592 Rt	6944.6	0.68996	mg/L	0.011888	828.29 mg/L	14.271	1.72%
Na_2 330.237 Rt	12.0	0.16594	mg/L	0.108023	199.21 mg/L	129.680	65.10%
Zn 206.200†	237.9	0.00737	mg/L	0.000010	8.8485 mg/L	0.01152	0.13%

Sequence No.: 33  
 Sample ID: H64HM  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 59  
 Date Collected: 6/27/2006 11:33:03 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:22 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HM

Analyte	Mean Corrected		Calib		Sample		RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units		
In Axial	305428.1	112.46	%	1.201			1.07%	
In Radial	14206.8	115.56	%	0.932			0.81%	
Y_ Axial	1026894.9	111.04	%	1.178			1.06%	
Y_ Radial	109442.7	112.97	%	1.772			1.57%	
Sc Axial	1135558.5	111.03	%	1.213			1.09%	
Sc Radial	118730.2	112.80	%	1.613			1.43%	
Al_1 396.153 Rt	132.8	0.01043	mg/L	0.004165	12.522	mg/L	4.9995	39.93%
Al_2 308.215 Rt	24.2	0.00684	mg/L	0.001948	8.2117	mg/L	2.33862	28.48%
Ca 315.887 Rt	3642.3	0.21434	mg/L	0.004347	257.31	mg/L	5.219	2.03%
Fe_1 273.955†	874.1	0.01736	mg/L	0.000240	20.837	mg/L	0.2877	1.38%
Fe_2 238.863 Rt	13.6	0.01260	mg/L	0.003902	15.123	mg/L	4.6846	30.98%
Mg 279.077 Rt	74.5	0.03576	mg/L	0.002790	42.935	mg/L	3.3492	7.80%
Na_1 589.592 Rt	5417.0	0.53820	mg/L	0.008502	646.10	mg/L	10.207	1.58%
Na_2 330.237 Rt	17.0	0.24040	mg/L	0.200894	288.59	mg/L	241.169	83.57%
Zn 206.200†	50.8	0.00157	mg/L	0.000104	1.8893	mg/L	0.12462	6.60%

Sequence No.: 34  
 Sample ID: ZZZZZ  
 Analyst: AWW  
 Initial Sample Wt: 0.96 g  
 Dilution:

Autosampler Location: 60  
 Date Collected: 6/27/2006 11:36:38 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:23 PM  
 Initial Sample Vol:  
 Sample Prep Vol: 100 mL

## Mean Data: ZZZZZ

Analyte	Mean Corrected		Calib		Sample			
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
In Axial	745905.4	274.64	%	6.233				2.27%
In Radial	27817.9	226.27	%	3.686				1.63%
Y_Axial	2532487.6	273.84	%	6.469				2.36%
Y_Radial	240617.9	248.37	%	3.683				1.48%
Sc Axial	2796394.8	273.43	%	6.435				2.35%
Sc Radial	260362.4	247.35	%	3.983				1.61%
Al_1 396.153 Rt	-118.5	-0.00931	mg/L	0.001595				17.13%
Al_2 308.215 Rt	-117.4	-0.03316	mg/L	0.000065				0.19%
Ca 315.887 Rt	397.9	0.02342	mg/L	0.000045				0.19%
Fe_1 273.955†	-19.9	-0.00039	mg/L	0.000016				4.16%
Fe_2 238.863 Rt	-28.4	-0.02630	mg/L	0.002870				10.91%
Mg 279.077 Rt	42.9	0.02059	mg/L	0.000213				1.03%
Na_1 589.592 Rt	-1226.0	-0.12180	mg/L	0.001489				1.22%
Na_2 330.237 Rt	-23.9	-0.34109	mg/L	0.387350				113.56%
Zn 206.200†	-22.9	-0.00071	mg/L	0.000030				4.22%

Sample conc. not calculated. Nominal Wt. AND Initial Wt. required OR sample units incorrect.

Sequence No.: 35  
 Sample ID: CCV  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 7  
 Date Collected: 6/27/2006 11:42:22 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:24 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCV

Analyte	Mean Corrected		Calib	Sample			RSD
	Intensity	Conc.		Conc.	Units	Std.Dev.	
In Axial	277354.1	102.12	%	0.154			0.15%
In Radial	13006.7	105.80	%	1.925			1.82%
Y_Axial	967586.2	104.62	%	0.189			0.18%
Y_Radial	102919.7	106.24	%	2.026			1.91%
Sc Axial	1079653.0	105.57	%	0.232			0.22%
Sc Radial	112197.4	106.59	%	2.211			2.07%
Al_1 396.153 Rt	286129.0	22.480	mg/L	0.9218	22.480	mg/L	0.9218
Al_2 308.215 Rt	79284.4	22.397	mg/L	0.0251	22.397	mg/L	0.0251
Ca 315.887 Rt	394989.1	23.245	mg/L	1.0866	23.245	mg/L	1.0866
Fe_1 273.955†	1165164.4	23.136	mg/L	0.0289	23.136	mg/L	0.0289
Fe_2 238.863 Rt	25233.3	23.394	mg/L	0.0612	23.394	mg/L	0.0612
Mg 279.077 Rt	48953.4	23.496	mg/L	0.0632	23.496	mg/L	0.0632
Na_1 589.592 Rt	224313.0	22.286	mg/L	0.9277	22.286	mg/L	0.9277
Na_2 330.237 Rt	1721.7	23.232	mg/L	0.3498	23.232	mg/L	0.3498
Zn 206.200†	75109.5	2.3267	mg/L	0.00691	2.3267	mg/L	0.00691

Sequence No.: 36  
 Sample ID: CCV  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 7  
 Date Collected: 6/27/2006 11:44:00 AM  
 Data Type: Reprocessed on 6/27/2006 1:12:25 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCV

Analyte	Mean Corrected		Calib	Sample			RSD
	Intensity	Conc.		Conc.	Units	Std.Dev.	
In Axial	277854.3	102.31	%	0.287			0.28%
In Radial	13118.0	106.70	%	1.466			1.37%
Y_Axial	970285.5	104.92	%	0.122			0.12%
Y_Radial	103878.6	107.22	%	1.312			1.22%
Sc Axial	1082877.7	105.88	%	0.234			0.22%
Sc Radial	113062.2	107.41	%	1.157			1.08%
Al_1 396.153 Rt	287127.8	22.558	mg/L	0.3784	22.558	mg/L	0.3784
Al_2 308.215 Rt	78994.5	22.315	mg/L	0.0263	22.315	mg/L	0.0263
Ca 315.887 Rt	397384.4	23.386	mg/L	0.4275	23.386	mg/L	0.4275
Fe_1 273.955†	1164207.5	23.117	mg/L	0.0710	23.117	mg/L	0.0710
Fe_2 238.863 Rt	25148.2	23.315	mg/L	0.0352	23.315	mg/L	0.0352
Mg 279.077 Rt	48929.5	23.485	mg/L	0.0453	23.485	mg/L	0.0453
Na_1 589.592 Rt	224606.0	22.315	mg/L	0.4017	22.315	mg/L	0.4017
Na_2 330.237 Rt	1650.5	22.215	mg/L	0.1287	22.215	mg/L	0.1287
Zn 206.200†	75060.6	2.3252	mg/L	0.00794	2.3252	mg/L	0.00794

Sequence No.: 37

Autosampler Location: 5

Sample ID: CCB

Date Collected: 6/27/2006 11:46:16 AM

Analyst: AWW

Data Type: Reprocessed on 6/27/2006 1:12:25 PM

Initial Sample Wt:

Initial Sample Vol: 1 mL

Dilution:

Sample Prep Vol: 1 mL

## Mean Data: CCB

Analyte	Mean Corrected		Calib		Sample		RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
In Axial	299486.2	110.27	%	1.539				1.40%
In Radial	13686.3	111.32	%	0.827				0.74%
Y_Axial	1014308.5	109.68	%	1.691				1.54%
Y_Radial	105756.9	109.16	%	0.004				0.00%
Sc Axial	1121614.1	109.67	%	1.609				1.47%
Sc Radial	115046.2	109.30	%	0.037				0.03%
Al_1 396.153 Rt	-13.7	-0.00107	mg/L	0.003258	-0.00107	mg/L	0.003258	303.74%
Al_2 308.215 Rt	-7.0	-0.00196	mg/L	0.000199	-0.00196	mg/L	0.000199	10.11%
Ca 315.887 Rt	57.4	0.00338	mg/L	0.000431	0.00338	mg/L	0.000431	12.75%
Fe_1 273.955†	174.3	0.00346	mg/L	0.000384	0.00346	mg/L	0.000384	11.09%
Fe_2 238.863 Rt	3.2	0.00297	mg/L	0.001338	0.00297	mg/L	0.001338	45.05%
Mg 279.077 Rt	9.7	0.00466	mg/L	0.000405	0.00466	mg/L	0.000405	8.69%
Na_1 589.592 Rt	16.7	0.00166	mg/L	0.003046	0.00166	mg/L	0.003046	183.45%
Na_2 330.237 Rt	8.7	0.12423	mg/L	0.101652	0.12423	mg/L	0.101652	81.82%
Zn 206.200†	13.6	0.00042	mg/L	0.000096	0.00042	mg/L	0.000096	22.90%

## STL Sacramento

## RUN SUMMARY

Method: 6010

PE: ICP2 (P05)

Reported: 06/27/06 15:16:58

File ID: JUN2706BX.csv

Analyst: WONGA

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	Calib_Blank_			1.0	06/27/06 11:52		<input type="checkbox"/>
2	Calib_Std_1			1.0	06/27/06 11:56		<input type="checkbox"/>
3	Calib_Std_2			1.0	06/27/06 11:58		<input type="checkbox"/>
4	ICV4			1.0	06/27/06 12:01		<input type="checkbox"/>
5	ICB			1.0	06/27/06 12:03		<input type="checkbox"/>
6	PQL			1.0	06/27/06 12:07		<input type="checkbox"/>
7	ICSA			1.0	06/27/06 12:10		<input type="checkbox"/>
8	ICSAB_4.0			1.0	06/27/06 12:13		<input type="checkbox"/>
9	H64HJ	G6F090224-12	6171380	2A	1.0	06/27/06 12:19	<input type="checkbox"/>
10	H64HK	G6F090224-13	6171380	2A	1.0	06/27/06 12:23	<input type="checkbox"/>
11	H64HL	G6F090224-14	6171380	2A	1.0	06/27/06 12:26	<input type="checkbox"/>
12	H64HM	G6F090224-15	6171380	2A	1.0	06/27/06 12:30	<input type="checkbox"/>
13	CCV				1.0	06/27/06 12:33	<input type="checkbox"/>
14	CCB				1.0	06/27/06 12:36	<input type="checkbox"/>

STL Sacramento

## INTERNAL STANDARD SUMMARY

Method: 6010()

PE ICP2 (P05)

Reported: 06/27/06 15:16:58

File ID: JUN2706BX.csv

Analyst: WONGA

#	Sample ID	Analyzed Date	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
1	Calib_Blank_	06/27/06 11:52	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
2	Calib Std 1	06/27/06 11:56	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
3	Calib Std 2	06/27/06 11:58	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
4	ICV4	06/27/06 12:01	100.6	99.6	99.4	98.9	98.8	<input checked="" type="checkbox"/>
5	ICB	06/27/06 12:03	100.7	101.3	99.4	101.4	99.4	<input checked="" type="checkbox"/>
6	PQL	06/27/06 12:07	100.5	101.3	96.3	101.5	96.7	<input checked="" type="checkbox"/>
7	ICSA	06/27/06 12:10	84.9	85.1	87.0	84.7	88.0	<input checked="" type="checkbox"/>
8	ICSAB_4.0	06/27/06 12:13	84.6	85.3	86.3	85.3	87.2	<input checked="" type="checkbox"/>
9	H64HJ	06/27/06 12:19	105.9	104.0	104.3	104.1	104.3	<input checked="" type="checkbox"/>
10	H64HK	06/27/06 12:23	108.4	106.2	103.6	106.2	103.6	<input checked="" type="checkbox"/>
11	H64HL	06/27/06 12:26	106.9	106.2	102.4	106.1	102.5	<input checked="" type="checkbox"/>
12	H64HM	06/27/06 12:30	106.1	104.3	103.4	104.4	103.6	<input checked="" type="checkbox"/>
13	CCV	06/27/06 12:33	98.2	99.1	97.7	98.4	97.6	<input checked="" type="checkbox"/>
14	CCB	06/27/06 12:36	104.2	104.1	102.3	104.1	102.4	<input checked="" type="checkbox"/>

Run/Project Information:

Run Date: 06/21/06 Analyst: ANONG Instrument: P05  
 Prep Batches Run: 6171380

Circle Method used: 6010B / 200.7: SAC-MT-0003 Rev. 2.0

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels ?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? (6010B, CLP = 90 - 110%, 200.7 = 95 -105%[ICV])	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			✓
4. CRI analyzed? (for CLP only)	✓			✓
5. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?		✓		✓
2. All reported results bracketed by in control QC ?	✓			✓
3. Sample analyses done within holding time ?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?		✓		✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?		✓		✓
3. MS run at required frequency and within limits ?		✓		✓
4. MSD or DU run at required frequency and RPD within SOP limits ?		✓		✓
5. Dilution Test done per prep batch (or per SDG for CLP) ?		✓		✓
6. Post digest spike analyzed if required (CLP only) ?		✓		✓
D. Other				
1. Are all nonconformances documented appropriately ?		✓		✓
2. Current IDL/LR/IEC data on file ?	✓			✓
3. Calculations checked for error ?	✓			✓
4. Transcriptions checked for error ?	✓			✓
5. All client/project specific requirements met ?	✓			✓
6. Date/time of analysis verified as correct ?	✓			✓

Analyst: ANONG  
 Comments: \_\_\_\_\_

Date: 06/21/06

2nd Level Reviewer : MJZ  
 Comments: \_\_\_\_\_

Date: 6/28/06

STL Sacramento

Method 6010B Instrument QC Standards



Chemist: AWong

Run Date: 06/27/06

Type of Analysis: Trace ICP (AirTox)

Instrument ID: P05

Standard Expiration Dates Verified: 06/27/06

<u>Standard Name</u>	<u>Standard Logbook ID</u>
STD0 (Cal Blank) / ICB / CCB	2696-16-6
STD1 (Cal Std 1)	2680-66
STD2 (Cal Std 2)	2680-67
STD3 (Cal Std 3)	NA
STD4 (Cal Std 4)	NA
ICV	2680-42
ICV2	NA
PQLCRI	1750-018-3
ICSA	2680-69
ICSAB	2680-70
CCV	2680-68
Internal Standard	2696-20-2

QA - 416  
ERS 2/1/01

Sequence No.: 1  
Sample ID: Calib\_Blkank\_1  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 5  
Date Collected: 6/27/2006 11:52:50 AM  
Data Type: Reprocessed on 6/27/2006 1:24:06 PM  
Initial Sample Vol:  
Sample Prep Vol:

## Mean Data: Calib\_Blkank\_1

Analyte	Mean Corrected		RSD	Conc.	Calib Units
	Intensity	Std.Dev.			
In Axial	295527.9	3915.78	1.33%	100.00	%
In Radial	13433.3	61.37	0.46%	100.00	%
Y_Axial	991178.6	13885.61	1.40%	100.00	%
Y_Radial	107642.6	1436.16	1.33%	100.00	%
Sc Axial	1099811.6	15490.52	1.41%	100.00	%
Sc Radial	116904.7	1694.13	1.45%	100.00	%
Al_1 396.153 Rt	179.3	42.43	23.66%	[0.00]	mg/L
Al_2 308.215 Rt	118.3	5.14	4.35%	[0.00]	mg/L
Ca_315.887 Rt	-510.9	14.25	2.79%	[0.00]	mg/L
Fe_1 273.955t	62.9	0.07	0.11%	[0.00]	mg/L
Fe_2 238.863 Rt	38.0	4.32	11.38%	[0.00]	mg/L
Mg_279.077 Rt	-51.1	7.33	14.34%	[0.00]	mg/L
Na_1 589.592 Rt	1699.9	10.19	0.60%	[0.00]	mg/L
Na_2 330.237 Rt	48.6	22.02	45.30%	[0.00]	mg/L
Zn_206.200t	28.9	1.52	5.24%	[0.00]	mg/L

Sequence No.: 2  
 Sample ID: Calib\_Std\_1  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 2  
 Date Collected: 6/27/2006 11:56:28 AM  
 Data Type: Reprocessed on 6/27/2006 1:24:08 PM  
 Initial Sample Vol:  
 Sample Prep Vol:

## Mean Data: Calib\_Std\_1

Analyte	Mean Corrected	Std.Dev.	RSD	Conc.	Calib
	Intensity				Units
In Axial	261175.8	89.90	0.03%	88.376	%
In Radial	12681.2	317.59	2.50%	94.402	%
Y_Axial	930483.1	507.04	0.05%	93.876	%
Y_Radial	101856.9	2108.82	2.07%	94.625	%
Sc Axial	1044514.9	1176.06	0.11%	94.972	%
Sc Radial	111614.9	2230.22	2.00%	95.475	%
Al_1 396.153 Rt	636484.4	16440.92	2.58%	[50]	mg/L
Al_2 308.215 Rt	179102.3	110.09	0.06%	[50]	mg/L
Ca 315.887 Rt	874696.1	22813.47	2.61%	[50]	mg/L
Fe_1 273.955†	2515005.1	1677.04	0.07%	[50]	mg/L
Fe_2 238.863 Rt	56678.5	59.58	0.11%	[50]	mg/L
Mg 279.077 Rt	110032.1	362.03	0.33%	[50]	mg/L
Na_1 589.592 Rt	497761.7	12435.44	2.50%	[50]	mg/L
Na_2 330.237 Rt	3830.8	25.58	0.67%	[50]	mg/L
Zn 206.200†	162765.3	228.23	0.14%	[5.0]	mg/L

Sequence No.: 3  
 Sample ID: Calib\_Std\_2  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 3  
 Date Collected: 6/27/2006 11:58:50 AM  
 Data Type: Reprocessed on 6/27/2006 1:24:09 PM  
 Initial Sample Vol:  
 Sample Prep Vol:

## Mean Data: Calib\_Std\_2

Analyte	Mean Corrected		RSD	Conc.	Calib Units
	Intensity	Std.Dev.			
In Axial	227510.0	3438.37	1.51%	76.984	%
In Radial	11334.9	70.57	0.62%	84.379	%
Y_Axial	858895.0	11262.61	1.31%	86.654	%
Y_Radial	93876.9	541.54	0.58%	87.212	%
Sc Axial	962112.2	12821.86	1.33%	87.480	%
Sc Radial	101605.5	567.59	0.56%	86.913	%
Al_2 308.215 R†	892694.5	8606.70	0.96%	[250]	mg/L
Ca_315.887 R†	4299614.4	51474.87	1.20%	[250]	mg/L
Fe_2 238.863 R†	272831.5	3127.34	1.15%	[250]	mg/L
Mg_279.077 R†	526443.2	6728.17	1.28%	[250]	mg/L
Na_1 589.592 R†	2535397.5	23256.84	0.92%	[250]	mg/L
Na_2 330.237 R†	17523.1	19.39	0.11%	[250]	mg/L

## Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al_1 396.153 R	1	Lin Thru 0	0.0	12730	0.00000	1.000000	
Al_2 308.215 R	2	Lin Thru 0	0.0	3571	0.00000	1.000000	
Ca_315.887 R	2	Lin Thru 0	0.0	17210	0.00000	0.999995	
Fe_1 273.955	1	Lin Thru 0	0.0	50300	0.00000	1.000000	
Fe_2 238.863 R	2	Lin Thru 0	0.0	1093	0.00000	0.999972	
Mg_279.077 R	2	Lin Thru 0	0.0	2109	0.00000	0.999963	
Na_1 589.592 R	2	Lin Thru 0	0.0	10130	0.00000	0.999994	
Na_2 330.237 R	2	Lin Thru 0	0.0	70.34	0.00000	0.999841	
Zn_206.200	1	Lin Thru 0	0.0	32550	0.00000	1.000000	

Sequence No.: 4  
 Sample ID: ICV4  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 10  
 Date Collected: 6/27/2006 12:01:09 PM  
 Data Type: Reprocessed on 6/27/2006 1:24:10 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: ICV4

Analyte	Mean Corrected		Calib	Sample			RSD
	Intensity	Conc.		Std.Dev.	Conc.	Units	
In Axial	286223.2	96.852	%	1.4484			1.50%
In Radial	13507.8	100.56	%	0.072			0.07%
Y_Axial	979798.2	98.852	%	0.1270			0.13%
Y_Radial	106354.3	98.803	%	0.1431			0.14%
Sc Axial	1095384.3	99.597	%	0.0950			0.10%
Sc Radial	116180.7	99.381	%	0.1957			0.20%
Al_1 396.153 Rt	128721.0	10.112	mg/L	0.0534	10.112	mg/L	0.0534
Al_2 308.215 Rt	36053.5	10.096	mg/L	0.0232	10.096	mg/L	0.0232
Ca_315.887 Rt	179147.2	10.410	mg/L	0.0933	10.410	mg/L	0.0933
Fe_1 273.955†	518759.7	10.313	mg/L	0.1893	10.313	mg/L	0.1893
Fe_2 238.863 Rt	11531.8	10.551	mg/L	0.0194	10.551	mg/L	0.0194
Mg_279.077 Rt	22520.6	10.676	mg/L	0.0116	10.676	mg/L	0.0116
Na_1 589.592 Rt	103103.7	10.174	mg/L	0.0441	10.174	mg/L	0.0441
Na_2 330.237 Rt	815.3	10.996	mg/L	0.7005	10.996	mg/L	0.7005
Zn_206.200†	33576.4	1.0314	mg/L	0.01817	1.0314	mg/L	0.01817

Sequence No.: 5  
 Sample ID: ICB  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 12  
 Date Collected: 6/27/2006 12:03:30 PM  
 Data Type: Reprocessed on 6/27/2006 1:24:11 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: ICB

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		RSD
	Intensity	Conc. Units			Conc. Units	Std.Dev.	
In Axial	298958.9	101.16 %	1.158				1.14%
In Radial	13527.8	100.70 %	0.035				0.03%
Y_Axial	1004797.6	101.37 %	1.084				1.07%
Y_Radial	107004.9	99.408 %	0.2299				0.23%
Sc Axial	1114466.4	101.33 %	1.155				1.14%
Sc Radial	116164.1	99.366 %	0.1275				0.13%
Al_1 396.153 Rt	-22.4	-0.00176 mg/L	0.005140	-0.00176 mg/L	0.005140	291.84%	
Al_2 308.215 Rt	19.9	0.00558 mg/L	0.000793	0.00558 mg/L	0.000793	14.20%	
Ca_315.887 Rt	69.3	0.00403 mg/L	0.001726	0.00403 mg/L	0.001726	42.86%	
Fe_1 273.955t	378.4	0.00752 mg/L	0.000221	0.00752 mg/L	0.000221	2.94%	
Fe_2 238.863 Rt	6.3	0.00572 mg/L	0.007560	0.00572 mg/L	0.007560	132.15%	
Mg_279.077 Rt	-8.4	-0.00400 mg/L	0.006679	-0.00400 mg/L	0.006679	166.94%	
Na_1 589.592 Rt	938.5	0.09260 mg/L	0.003503	0.09260 mg/L	0.003503	3.78%	
Na_2 330.237 Rt	23.2	0.32892 mg/L	0.252213	0.32892 mg/L	0.252213	76.68%	
Zn_206.200t	17.3	0.00053 mg/L	0.000103	0.00053 mg/L	0.000103	19.42%	

Sequence No.: 6  
 Sample ID: PQL  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 38  
 Date Collected: 6/27/2006 12:07:08 PM  
 Data Type: Reprocessed on 6/27/2006 1:24:12 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: PQL

Analyte	Mean Corrected		Calib	Sample			RSD	
	Intensity	Conc.		Conc.	Units	Std.Dev.		
In Axial	300307.5	101.62	%	0.656			0.65%	
In Radial	13495.6	100.46	%	0.238			0.24%	
Y_Axial	1006043.2	101.50	%	0.736			0.73%	
Y_Radial	104079.3	96.690	%	0.4217			0.44%	
Sc Axial	1114656.6	101.35	%	0.681			0.67%	
Sc Radial	112636.5	96.349	%	0.4836			0.50%	
Al_1 396.153 Rt	1300.7	0.10218	mg/L	0.002717	122.67	mg/L	3.262	2.66%
Al_2 308.215 Rt	377.3	0.10564	mg/L	0.000679	126.82	mg/L	0.815	0.64%
Ca_315.887 Rt	1815.7	0.10551	mg/L	0.000164	126.66	mg/L	0.197	0.16%
Fe_1 273.955t	1503.0	0.02988	mg/L	0.000667	35.871	mg/L	0.8010	2.23%
Fe_2 238.863 Rt	41.7	0.03811	mg/L	0.004137	45.750	mg/L	4.9659	10.85%
Mg_279.077 Rt	211.7	0.10037	mg/L	0.002340	120.49	mg/L	2.809	2.33%
Na_1 589.592 Rt	3112.2	0.30709	mg/L	0.015020	368.66	mg/L	18.031	4.89%
Na_2 330.237 Rt	35.0	0.49437	mg/L	0.271976	593.48	mg/L	326.502	55.02%
Zn_206.200t	181.0	0.00556	mg/L	0.000137	6.6755	mg/L	0.16443	2.46%

Sequence No.: 7  
 Sample ID: ICSA  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 14  
 Date Collected: 6/27/2006 12:10:44 PM  
 Data Type: Reprocessed on 6/27/2006 1:24:13 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: ICSA

Analyte	Mean Corrected		Calib	Sample			RSD
	Intensity	Conc. Units		Std.Dev.	Conc. Units	Std.Dev.	
In Axial	225703.5	76.373 %	0.4727				0.62%
In Radial	11400.0	84.864 %	1.5392				1.81%
Y_Axial	839804.7	84.728 %	0.4395				0.52%
Y_Radial	94705.0	87.981 %	1.4156				1.61%
Sc Axial	936131.9	85.117 %	0.4439				0.52%
Sc Radial	101656.9	86.957 %	1.3253				1.52%
Al_1 396.153 Rt	6519187.8	512.12 mg/L	1.441	512.12 mg/L	1.441	0.28%	
Al_2 308.215 Rt	1812670.5	507.58 mg/L	16.667	507.58 mg/L	16.667	3.28%	
Ca_315.887 Rt	8472070.0	492.28 mg/L	1.100	492.28 mg/L	1.100	0.22%	
Fe_1 273.955†	9401892.8	186.92 mg/L	1.654	186.92 mg/L	1.654	0.88%	
Fe_2 238.863 Rt	214385.6	196.15 mg/L	0.400	196.15 mg/L	0.400	0.20%	
Mg_279.077 Rt	1052057.7	498.74 mg/L	17.752	498.74 mg/L	17.752	3.56%	
Na_1 589.592 Rt	404.5	0.03991 mg/L	0.013014	0.03991 mg/L	0.013014	32.61%	
Na_2 330.237 Rt	-7.0	-1.7012 mg/L	1.18738	-1.7012 mg/L	1.18738	69.79%	
Zn_206.200†	353.9	0.01087 mg/L	0.000506	0.01087 mg/L	0.000506	4.66%	

Sequence No.: 8  
 Sample ID: ICSAB\_4.0  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 15  
 Date Collected: 6/27/2006 12:13:16 PM  
 Data Type: Reprocessed on 6/27/2006 1:24:14 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: ICSAB\_4.0

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		RSD
	Intensity	Conc. Units			Conc. Units	Std.Dev.	
In Axial	228022.7	77.158 %	1.0556				1.37%
In Radial	11365.8	84.609 %	0.4765				0.56%
Y_Axial	845697.8	85.322 %	1.1073				1.30%
Y_Radial	93833.0	87.171 %	0.4889				0.56%
Sc Axial	938295.2	85.314 %	0.3314				0.39%
Sc Radial	100853.6	86.270 %	0.3116				0.36%
Al_1 396.153 Rt	6608770.2	519.16 mg/L	2.004	519.16 mg/L	2.004	0.39%	
Al_2 308.215 Rt	1834897.4	513.80 mg/L	5.135	513.80 mg/L	5.135	1.00%	
Ca_315.887 Rt	8594050.7	499.37 mg/L	1.426	499.37 mg/L	1.426	0.29%	
Fe_1 273.955t	9299844.5	184.89 mg/L	1.440	184.89 mg/L	1.440	0.78%	
Fe_2 238.863 Rt	213901.4	195.71 mg/L	0.266	195.71 mg/L	0.266	0.14%	
Mg_279.077 Rt	1065348.5	505.04 mg/L	4.793	505.04 mg/L	4.793	0.95%	
Na_1 589.592 Rt	488.5	0.04820 mg/L	0.000443	0.04820 mg/L	0.000443	0.92%	
Na_2 330.237 Rt	118.0	-0.49193 mg/L	1.359649	-0.49193 mg/L	1.359649	276.39%	
Zn_206.200t	30588.6	0.93965 mg/L	0.002091	0.93965 mg/L	0.002091	0.22%	

Sequence No.: 9  
 Sample ID: H64HJ  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 56  
 Date Collected: 6/27/2006 12:19:44 PM  
 Data Type: Reprocessed on 6/27/2006 1:24:15 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HJ

Analyte	Mean Corrected		Calib	Sample			RSD	
	Intensity	Conc.		Std.Dev.	Conc.	Units		
In Axial	308737.2	104.47	%	0.150			0.14%	
In Radial	14224.1	105.89	%	0.219			0.21%	
Y_Axial	1031745.7	104.09	%	0.075			0.07%	
Y_Radial	112304.7	104.33	%	1.353			1.30%	
Sc Axial	1143753.1	104.00	%	0.124			0.12%	
Sc Radial	121980.7	104.34	%	1.338			1.28%	
Al_1 396.153 Rt	5613.2	0.44096	mg/L	0.010203	529.36	mg/L	12.249	2.31%
Al_2 308.215 Rt	1540.4	0.43133	mg/L	0.007235	517.80	mg/L	8.685	1.68%
Ca_315.887 Rt	11875.8	0.69006	mg/L	0.003183	828.40	mg/L	3.821	0.46%
Fe_1 273.955†	26779.8	0.53240	mg/L	0.000095	639.14	mg/L	0.114	0.02%
Fe_2 238.863 Rt	579.5	0.53025	mg/L	0.008312	636.55	mg/L	9.979	1.57%
Mg_279.077 Rt	623.0	0.29534	mg/L	0.006235	354.55	mg/L	7.485	2.11%
Na_1 589.592 Rt	7438.5	0.73398	mg/L	0.003412	881.13	mg/L	4.096	0.46%
Na_2 330.237 Rt	44.2	0.62237	mg/L	0.032838	747.14	mg/L	39.421	5.28%
Zn_206.200†	266.8	0.00820	mg/L	0.000074	9.8392	mg/L	0.08894	0.90%

Sequence No.: 10  
 Sample ID: H64HK  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 57  
 Date Collected: 6/27/2006 12:23:18 PM  
 Data Type: Reprocessed on 6/27/2006 1:24:16 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HK

Analyte	Mean Corrected		Calib	Sample		RSD
	Intensity	Conc. Units		Std.Dev.	Conc. Units	
In Axial	318866.2	107.90 %	2.469			2.29%
In Radial	14561.9	108.40 %	0.341			0.31%
Y_Axial	1052237.4	106.16 %	2.620			2.47%
Y_Radial	111566.7	103.65 %	2.483			2.40%
Sc Axial	1168226.0	106.22 %	2.591			2.44%
Sc Radial	121101.0	103.59 %	2.537			2.45%
Al_1 396.153 Rt	10199.0	0.80119 mg/L	0.016297	961.82 mg/L	19.564	2.03%
Al_2 308.215 Rt	2825.7	0.79124 mg/L	0.030464	949.87 mg/L	36.571	3.85%
Ca_315.887 Rt	21141.6	1.2285 mg/L	0.03206	1474.7 mg/L	38.48	2.61%
Fe_1 273.955†	75756.6	1.5061 mg/L	0.00161	1808.0 mg/L	1.93	0.11%
Fe_2 238.863 Rt	1667.0	1.5252 mg/L	0.03986	1831.0 mg/L	47.86	2.61%
Mg_279.077 Rt	974.9	0.46218 mg/L	0.007603	554.84 mg/L	9.128	1.65%
Na_1 589.592 Rt	9447.0	0.93217 mg/L	0.018517	1119.1 mg/L	22.23	1.99%
Na_2 330.237 Rt	59.4	0.84171 mg/L	0.314099	1010.5 mg/L	377.07	37.32%
Zn_206.200†	214.1	0.00658 mg/L	0.000017	7.8962 mg/L	0.01990	0.25%

Sequence No.: 11  
 Sample ID: H64HL  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 58  
 Date Collected: 6/27/2006 12:26:51 PM  
 Data Type: Reprocessed on 6/27/2006 1:24:17 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HL

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	316212.7	107.00 %	1.177			1.10%
In Radial	14359.7	106.90 %	0.178			0.17%
Y_Axial	1052006.1	106.14 %	1.030			0.97%
Y_Radial	110352.7	102.52 %	2.213			2.16%
Sc Axial	1167688.2	106.17 %	1.044			0.98%
Sc Radial	119720.6	102.41 %	2.321			2.27%
Al_1 396.153 Rt	7843.1	0.61613 mg/L	0.002550	739.65 mg/L	3.062	0.41%
Al_2 308.215 Rt	2176.3	0.60939 mg/L	0.006243	731.57 mg/L	7.495	1.02%
Ca_315.887 Rt	13885.5	0.80684 mg/L	0.002064	968.59 mg/L	2.478	0.26%
Fe_1 273.955t	35583.0	0.70741 mg/L	0.003438	849.24 mg/L	4.128	0.49%
Fe_2 238.863 Rt	790.4	0.72315 mg/L	0.005545	868.13 mg/L	6.657	0.77%
Mg_279.077 Rt	812.0	0.38492 mg/L	0.004567	462.09 mg/L	5.482	1.19%
Na_1 589.592 Rt	7626.8	0.75257 mg/L	0.003808	903.44 mg/L	4.572	0.51%
Na_2 330.237 Rt	49.9	0.70374 mg/L	0.094741	844.82 mg/L	113.735	13.46%
Zn_206.200t	254.3	0.00781 mg/L	0.000023	9.3795 mg/L	0.02741	0.29%

Sequence No.: 12  
 Sample ID: H64HM  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 59  
 Date Collected: 6/27/2006 12:30:24 PM  
 Data Type: Reprocessed on 6/27/2006 1:24:18 PM  
 Initial Sample Vol: 0.0833 mL  
 Sample Prep Vol: 100 mL

## Mean Data: H64HM

Analyte	Mean Corrected		Calib	Sample			RSD
	Intensity	Conc. Units		Std.Dev.	Conc. Units	Std.Dev.	
In Axial	309431.0	104.70 %	0.514				0.49%
In Radial	14251.2	106.09 %	1.177				1.11%
Y_Axial	1035192.3	104.44 %	0.520				0.50%
Y_Radial	111508.5	103.59 %	0.604				0.58%
Sc Axial	1146683.4	104.26 %	0.534				0.51%
Sc Radial	120923.6	103.44 %	0.775				0.75%
Al_1 396.153 Rt	65.4	0.00514 mg/L	0.003861	6.1673 mg/L	4.63537	75.16%	
Al_2 308.215 Rt	42.0	0.01177 mg/L	0.000713	14.131 mg/L	0.8557	6.06%	
Ca 315.887 Rt	3912.6	0.22735 mg/L	0.000607	272.92 mg/L	0.729	0.27%	
Fe_1 273.955†	943.3	0.01875 mg/L	0.000231	22.513 mg/L	0.2770	1.23%	
Fe_2 238.863 Rt	21.9	0.02005 mg/L	0.006937	24.071 mg/L	8.3274	34.59%	
Mg 279.077 Rt	77.3	0.03663 mg/L	0.005572	43.972 mg/L	6.6893	15.21%	
Na_1 589.592 Rt	6028.5	0.59485 mg/L	0.006036	714.11 mg/L	7.246	1.01%	
Na_2 330.237 Rt	39.2	0.55581 mg/L	0.329070	667.24 mg/L	395.041	59.21%	
Zn 206.200†	51.8	0.00159 mg/L	0.000071	1.9086 mg/L	0.08478	4.44%	

Sequence No.: 13  
 Sample ID: CCV  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 7  
 Date Collected: 6/27/2006 12:33:57 PM  
 Data Type: Reprocessed on 6/27/2006 1:24:19 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCV

Analyte	Mean Corrected		Calib	Sample			RSD
	Intensity	Conc.		Units	Conc.	Units	
In Axial	280237.9	94.826	%	2.6005			2.74%
In Radial	13188.5	98.178	%	0.5028			0.51%
Y_Axial	974824.3	98.350	%	2.8117			2.86%
Y_Radial	105016.0	97.560	%	0.2858			0.29%
Sc Axial	1089842.1	99.094	%	2.8382			2.86%
Sc Radial	114185.1	97.674	%	0.1324			0.14%
Al_1 396.153 Rt	321529.3	25.258	mg/L	0.1898	25.258	mg/L	0.1898
Al_2 308.215 Rt	86685.4	24.273	mg/L	0.0387	24.273	mg/L	0.0387
Ca_315.887 Rt	444768.0	25.844	mg/L	0.2213	25.844	mg/L	0.2213
Fe_1 273.955†	1246945.2	24.790	mg/L	0.0540	24.790	mg/L	0.0540
Fe_2 238.863 Rt	27698.6	25.343	mg/L	0.0236	25.343	mg/L	0.0236
Mg_279.077 Rt	53735.9	25.474	mg/L	0.0766	25.474	mg/L	0.0766
Na_1 589.592 Rt	248361.8	24.507	mg/L	0.1672	24.507	mg/L	0.1672
Na_2 330.237 Rt	1832.7	24.620	mg/L	1.0649	24.620	mg/L	1.0649
Zn_206.200†	80835.7	2.4832	mg/L	0.01410	2.4832	mg/L	0.01410

Sequence No.: 14  
 Sample ID: CCB  
 Analyst: AWW  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 5  
 Date Collected: 6/27/2006 12:36:13 PM  
 Data Type: Reprocessed on 6/27/2006 1:24:20 PM  
 Initial Sample Vol: 1 mL  
 Sample Prep Vol: 1 mL

## Mean Data: CCB

Analyte	Mean Corrected		Calib	Sample			RSD
	Intensity	Conc.		Units	Conc.	Units	
In Axial	307708.7	104.12	%		1.472		1.41%
In Radial	13995.2	104.18	%		0.929		0.89%
Y_Axial	1031674.5	104.09	%		1.351		1.30%
Y_Radial	110242.9	102.42	%		1.864		1.82%
Sc Axial	1144970.6	104.11	%		1.461		1.40%
Sc Radial	119567.9	102.28	%		1.957		1.91%
Al_1 396.153 Rt	14.5	0.00114	mg/L	0.000902	0.00114	mg/L	0.000902 79.18%
Al_2 308.215 Rt	-1.3	-0.00036	mg/L	0.000690	-0.00036	mg/L	0.000690 193.61%
Ca 315.887 Rt	20.3	0.00118	mg/L	0.001523	0.00118	mg/L	0.001523 128.96%
Fe_1 273.955t	59.3	0.00118	mg/L	0.000509	0.00118	mg/L	0.000509 43.18%
Fe_2 238.863 Rt	2.2	0.00205	mg/L	0.002164	0.00205	mg/L	0.002164 105.72%
Mg 279.077 Rt	-16.0	-0.00760	mg/L	0.000185	-0.00760	mg/L	0.000185 2.44%
Na_1 589.592 Rt	219.7	0.02167	mg/L	0.000451	0.02167	mg/L	0.000451 2.08%
Na_2 330.237 Rt	15.0	0.21275	mg/L	0.116423	0.21275	mg/L	0.116423 54.72%
Zn 206.200t	9.8	0.00030	mg/L	0.000152	0.00030	mg/L	0.000152 50.21%

**ICPMS**

SEVERN  
TRENT

STL

STL Sacramento  
ICP-MS Data Review Checklist  
Level I and Level II

Instrument ID (Circle one): <b>M01</b> <b>M02</b>		Method 6020 SOP SAC-MT-0001		
File Number <b>060621A1</b>	Batch Numbers <b>6171370</b>	Date <b>6/21/06</b>	Analyst <b>BRJ</b>	
Lot Numbers <b>G6F690Z24</b>			YES	NO
1. Copy of analysis protocol used included?			✓	
2. ICVs & CCVs within 10% of true value or recal and rerun?			✓	
3. ICB & CCBs < reporting limit or recal and rerun?			✓	
4. 10 samples or less analyzed between calibration checks?			✓	
5. All parameters within linear range?			✓	
6. LCS/LCSD within limits?			✓	
7. Prep blank value < reporting limit or all samples >20x blank?			✓	
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?			✓	
9. Appropriate dilution factors applied to data?			✓	
10. Matrix spike and spike dup within customer defined limits?				✓
11. Each batch checked for presence of internal standard in samples?			✓	
12. Anomalies entered using Clouseau?				✓

COMMENTS:

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REVIEWED BY: <b>MTZ</b>	DATA ENTERED BY: <b>BRJ</b>
DATE: <b>6/26/06</b>	DATE: <b>6/22/06</b>

# Dataset Report

Perkin Elmer ICPMS M01

SOP No. SAC-MT-0001

Method 6020

User Name: JonesB

Computer Name: SACP317A

Dataset File Path: c:\elelandata\dataset\060621a1\

Report Date/Time: Wednesday, June 21, 2006 16:09:25

## The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
6171370	TUNE BJONES	11:08:34 Wed 21-Jun-06	Sample	
	AUTOLENS BJONES	11:14:58 Wed 21-Jun-06	Sample	Auto Lens Calib
	DAILY BJONES	11:17:13 Wed 21-Jun-06	Sample	
	H64GW n.i.	12:00:29 Wed 21-Jun-06	Sample	G6F090224-1 N.I.
	Rinse 3X	12:10:24 Wed 21-Jun-06	Sample	
	Blank	12:14:48 Wed 21-Jun-06	Blank	
	Standard 1	12:19:07 Wed 21-Jun-06	Standard #1	
	ICV	12:23:09 Wed 21-Jun-06	Sample	
	ICB	12:27:17 Wed 21-Jun-06	Sample	
	ICSA	12:31:25 Wed 21-Jun-06	Sample	
6171370	ICSAB	12:35:29 Wed 21-Jun-06	Sample	
	Rinse	12:46:45 Wed 21-Jun-06	Sample	
	Rinse	12:50:55 Wed 21-Jun-06	Sample	
	Rinse	12:55:05 Wed 21-Jun-06	Sample	
	FB	12:59:14 Wed 21-Jun-06	Sample	FB-F1815158
	CCV 1	13:03:22 Wed 21-Jun-06	Sample	
	CCB 1	13:07:31 Wed 21-Jun-06	Sample	
	CCV 2	13:11:39 Wed 21-Jun-06	Sample	
	CCB 2	13:15:48 Wed 21-Jun-06	Sample	
	H7RCAB	13:19:57 Wed 21-Jun-06	Sample	G6F200000-370 BLK
6171370	H7RCAC	13:24:03 Wed 21-Jun-06	Sample	G6F200000-370 LCS
6171370	H7RCAL	13:28:06 Wed 21-Jun-06	Sample	G6F200000-370 LCSD
6171370	H64GW	13:32:10 Wed 21-Jun-06	Sample	G6F090224-1
6171370	H64GWP5	13:36:15 Wed 21-Jun-06	Sample	G6F090224-1 5X
6171370	H64GWZ	13:40:19 Wed 21-Jun-06	Sample	G6F090224-1 PS
6171370	H64G5	13:44:25 Wed 21-Jun-06	Sample	G6F090224-2
6171370	H64G6	13:48:30 Wed 21-Jun-06	Sample	G6F090224-3
6171370	H64G7	13:52:36 Wed 21-Jun-06	Sample	G6F090224-4
6171370	H64G8	13:56:41 Wed 21-Jun-06	Sample	G6F090224-5
	CCV 3	14:00:48 Wed 21-Jun-06	Sample	
	CCB 3	14:04:57 Wed 21-Jun-06	Sample	
	CCV 4	14:09:05 Wed 21-Jun-06	Sample	
	CCB 4	14:13:14 Wed 21-Jun-06	Sample	
6171370	H64G9	14:17:22 Wed 21-Jun-06	Sample	G6F090224-6
6171370	H64HA	14:21:29 Wed 21-Jun-06	Sample	G6F090224-7
6171370	H64HC	14:25:36 Wed 21-Jun-06	Sample	G6F090224-8
6171370	H64HD	14:29:44 Wed 21-Jun-06	Sample	G6F090224-9
6171370	H64HG	14:33:53 Wed 21-Jun-06	Sample	G6F090224-10
6171370	H64HH	14:38:01 Wed 21-Jun-06	Sample	G6F090224-11
6171370	H64HJ	14:42:10 Wed 21-Jun-06	Sample	G6F090224-12
6171370	H64HK	14:46:19 Wed 21-Jun-06	Sample	G6F090224-13
6171370	H64HL	14:50:29 Wed 21-Jun-06	Sample	G6F090224-14
6171370	H64HM	14:54:39 Wed 21-Jun-06	Sample	G6F090224-15
	CCV 5	14:58:48 Wed 21-Jun-06	Sample	
	CCB 5	15:02:57 Wed 21-Jun-06	Sample	

## STL Sacramento

## RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 06/22/06 15:34:53

File ID: 060621A1

Analyst: ionesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	H64GW n.i.	G6F090224-1	6171370	2A	1.0	06/21/06 12:00	<input type="checkbox"/>
2	Rinse 3X				3.0	06/21/06 12:10	<input type="checkbox"/>
3	Blank				1.0	06/21/06 12:14	<input type="checkbox"/>
4	Standard1				1.0	06/21/06 12:19	<input type="checkbox"/>
5	ICV				1.0	06/21/06 12:23	<input type="checkbox"/>
6	ICB				1.0	06/21/06 12:27	<input type="checkbox"/>
7	ICSA				1.0	06/21/06 12:31	<input type="checkbox"/>
8	ICSAB				1.0	06/21/06 12:35	<input type="checkbox"/>
9	Rinse				1.0	06/21/06 12:46	<input type="checkbox"/>
10	Rinse				1.0	06/21/06 12:50	<input type="checkbox"/>
11	Rinse				1.0	06/21/06 12:55	<input type="checkbox"/>
12	FB				1.0	06/21/06 12:59	<input type="checkbox"/>
13	CCV 1				1.0	06/21/06 13:03	<input type="checkbox"/>
14	CCB 1				1.0	06/21/06 13:07	<input type="checkbox"/>
15	CCV 2				1.0	06/21/06 13:11	<input type="checkbox"/>
16	CCB 2				1.0	06/21/06 13:15	<input type="checkbox"/>
17	H7RCAB	G6F200000	6171370	2A	1.0	06/21/06 13:19	<input type="checkbox"/>
18	H7RCAC	G6F200000	6171370	2A	1.0	06/21/06 13:24	<input type="checkbox"/>
19	H7RCAL				1.0	06/21/06 13:28	<input type="checkbox"/>
20	H64GW	G6F090224-1	6171370	2A	1.0	06/21/06 13:32	<input type="checkbox"/>
21	H64GWP5	G6F090224	6171370		5.0	06/21/06 13:36	<input type="checkbox"/>
22	H64GWZ	G6F090224-1	6171370		1.0	06/21/06 13:40	<input type="checkbox"/>
23	H64G5	G6F090224-2	6171370	2A	1.0	06/21/06 13:44	<input type="checkbox"/>
24	H64G6	G6F090224-3	6171370	2A	1.0	06/21/06 13:48	<input type="checkbox"/>
25	H64G7	G6F090224-4	6171370	2A	1.0	06/21/06 13:52	<input type="checkbox"/>
26	H64G8	G6F090224-5	6171370	2A	1.0	06/21/06 13:56	<input type="checkbox"/>
27	CCV 3				1.0	06/21/06 14:00	<input type="checkbox"/>
28	CCB 3				1.0	06/21/06 14:04	<input type="checkbox"/>
29	CCV 4				1.0	06/21/06 14:09	<input type="checkbox"/>
30	CCB 4				1.0	06/21/06 14:13	<input type="checkbox"/>
31	H64G9	G6F090224-6	6171370	2A	1.0	06/21/06 14:17	<input type="checkbox"/>
32	H64HA	G6F090224-7	6171370	2A	1.0	06/21/06 14:21	<input type="checkbox"/>
33	H64HC	G6F090224-8	6171370	2A	1.0	06/21/06 14:25	<input type="checkbox"/>
34	H64HD	G6F090224-9	6171370	2A	1.0	06/21/06 14:29	<input type="checkbox"/>
35	H64HG	G6F090224-10	6171370	2A	1.0	06/21/06 14:33	<input type="checkbox"/>
36	H64HH	G6F090224-11	6171370	2A	1.0	06/21/06 14:38	<input type="checkbox"/>
37	H64HJ	G6F090224-12	6171370	2A	1.0	06/21/06 14:42	<input type="checkbox"/>
38	H64HK	G6F090224-13	6171370	2A	1.0	06/21/06 14:46	<input type="checkbox"/>
39	H64HL	G6F090224-14	6171370	2A	1.0	06/21/06 14:50	<input type="checkbox"/>
40	H64HM	G6F090224-15	6171370	2A	1.0	06/21/06 14:54	<input type="checkbox"/>
41	CCV 5				1.0	06/21/06 14:58	<input type="checkbox"/>
42	CCB 5				1.0	06/21/06 15:02	<input type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 06/22/06 15:34:53

File ID: 060621A1

Analyst: jonesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	H64GW n.i.	06/21/06 12:00	0.1	0.1	0.1	0.0	<input type="checkbox"/>
2	Rinse 3X	06/21/06 12:10	99.9	100.1	98.9	100.5	<input type="checkbox"/>
3	Blank	06/21/06 12:14	100.0	100.0	100.0	100.0	<input checked="" type="checkbox"/>
4	Standard1	06/21/06 12:19	95.5	94.8	99.9	95.6	<input checked="" type="checkbox"/>
5	ICV	06/21/06 12:23	96.0	95.6	101.1	96.8	<input checked="" type="checkbox"/>
6	ICB	06/21/06 12:27	96.6	96.3	102.4	97.2	<input checked="" type="checkbox"/>
7	ICSA	06/21/06 12:31	73.0	78.4	75.1	75.9	<input checked="" type="checkbox"/>
8	ICSAB	06/21/06 12:35	71.5	77.1	74.0	75.5	<input checked="" type="checkbox"/>
9	Rinse	06/21/06 12:46	92.5	91.0	99.7	97.7	<input checked="" type="checkbox"/>
10	Rinse	06/21/06 12:50	92.6	92.1	102.7	96.7	<input checked="" type="checkbox"/>
11	Rinse	06/21/06 12:55	93.1	93.0	103.7	97.5	<input checked="" type="checkbox"/>
12	FB	06/21/06 12:59	93.5	93.4	97.0	97.1	<input checked="" type="checkbox"/>
13	CCV 1	06/21/06 13:03	90.6	89.1	102.1	94.5	<input checked="" type="checkbox"/>
14	CCB 1	06/21/06 13:07	91.6	91.5	103.2	97.2	<input checked="" type="checkbox"/>
15	CCV 2	06/21/06 13:11	90.1	88.8	102.7	95.2	<input checked="" type="checkbox"/>
16	CCB 2	06/21/06 13:15	92.1	91.3	103.2	96.3	<input checked="" type="checkbox"/>
17	H7RCAB	06/21/06 13:19	92.9	94.8	99.6	97.9	<input checked="" type="checkbox"/>
18	H7RCAC	06/21/06 13:24	90.6	93.5	101.6	98.0	<input checked="" type="checkbox"/>
19	H7RCAL	06/21/06 13:28	89.8	92.4	100.4	98.8	<input checked="" type="checkbox"/>
20	H64GW	06/21/06 13:32	90.8	91.9	100.0	97.7	<input checked="" type="checkbox"/>
21	H64GWP5	06/21/06 13:36	90.8	91.3	103.7	96.5	<input type="checkbox"/>
22	H64GWZ	06/21/06 13:40	88.8	92.1	102.0	97.8	<input checked="" type="checkbox"/>
23	H64G5	06/21/06 13:44	90.6	93.1	101.5	98.8	<input checked="" type="checkbox"/>
24	H64G6	06/21/06 13:48	91.6	93.9	102.1	99.5	<input checked="" type="checkbox"/>
25	H64G7	06/21/06 13:52	90.2	91.7	101.6	97.3	<input checked="" type="checkbox"/>
26	H64G8	06/21/06 13:56	92.0	93.0	102.6	97.6	<input checked="" type="checkbox"/>
27	CCV 3	06/21/06 14:00	90.4	90.2	104.6	95.3	<input checked="" type="checkbox"/>
28	CCB 3	06/21/06 14:04	91.4	91.8	105.5	96.3	<input checked="" type="checkbox"/>
29	CCV 4	06/21/06 14:09	90.2	89.4	105.5	95.5	<input checked="" type="checkbox"/>
30	CCB 4	06/21/06 14:13	91.5	93.1	106.5	97.8	<input checked="" type="checkbox"/>
31	H64G9	06/21/06 14:17	92.2	95.1	102.9	100.2	<input checked="" type="checkbox"/>
32	H64HA	06/21/06 14:21	92.7	94.7	102.5	100.5	<input checked="" type="checkbox"/>
33	H64HC	06/21/06 14:25	93.3	96.4	101.8	99.6	<input checked="" type="checkbox"/>
34	H64HD	06/21/06 14:29	92.5	94.7	102.3	100.0	<input checked="" type="checkbox"/>
35	H64HG	06/21/06 14:33	92.4	95.2	104.5	99.9	<input checked="" type="checkbox"/>
36	H64HH	06/21/06 14:38	93.2	96.1	106.0	100.8	<input checked="" type="checkbox"/>
37	H64HJ	06/21/06 14:42	92.4	94.6	104.1	100.4	<input checked="" type="checkbox"/>
38	H64HK	06/21/06 14:46	91.1	93.4	104.9	99.7	<input checked="" type="checkbox"/>
39	H64HL	06/21/06 14:50	91.7	94.0	105.0	99.2	<input checked="" type="checkbox"/>
40	H64HM	06/21/06 14:54	93.3	95.3	105.5	100.4	<input checked="" type="checkbox"/>
41	CCV 5	06/21/06 14:58	90.4	90.0	106.5	96.0	<input checked="" type="checkbox"/>
42	CCB 5	06/21/06 15:02	91.0	91.5	108.9	98.1	<input checked="" type="checkbox"/>

**STL SACRAMENTO - Elan 6000 ICPMS Perkin Elmer M01 Quantitative Method Report**

File Name: 6171370.mth  
File Path: C:\elandata\Method\6171370.mth

**Timing Parameters**

Sweeps/Reading: 50  
Readings/Replicate: 1  
Number of Replicates: 3  
Tuning File: default.tun  
Optimization File: default.dac  
QC Enabled: Yes  
Settling Time: Normal

Analyte	Mass	Scan Mode	MCA Channels	Dwell Time	Integration Time
Sc	44.956	Peak Hopping	1	14.0 ms	700 ms
Li-1	6.015	Peak Hopping	1	14.0 ms	700 ms
Be	9.012	Peak Hopping	1	14.0 ms	700 ms
Ca	43.956	Peak Hopping	1	14.0 ms	700 ms
V	50.944	Peak Hopping	1	14.0 ms	700 ms
Cr	51.941	Peak Hopping	1	14.0 ms	700 ms
Mn	54.938	Peak Hopping	1	14.0 ms	700 ms
Co	58.933	Peak Hopping	1	14.0 ms	700 ms
Ni	59.933	Peak Hopping	1	14.0 ms	700 ms
Cu	64.928	Peak Hopping	1	14.0 ms	700 ms
Zn	67.925	Peak Hopping	1	14.0 ms	700 ms
As	74.922	Peak Hopping	1	20.0 ms	1000 ms
Se	81.917	Peak Hopping	1	20.0 ms	1000 ms
Mo	96.906	Peak Hopping	1	14.0 ms	700 ms
Ge-1	71.922	Peak Hopping	1	14.0 ms	700 ms
Ag	106.905	Peak Hopping	1	14.0 ms	700 ms
Cd	110.904	Peak Hopping	1	14.0 ms	700 ms
Ba	134.906	Peak Hopping	1	14.0 ms	700 ms
In-1	114.904	Peak Hopping	1	14.0 ms	700 ms
Pb	207.977	Peak Hopping	1	14.0 ms	700 ms
Tm-1	168.934	Peak Hopping	1	14.0 ms	700 ms
Cr	49.946	Peak Hopping	1	5.0 ms	250 ms
Cr	52.941	Peak Hopping	1	5.0 ms	250 ms
Ni	60.931	Peak Hopping	1	5.0 ms	250 ms
Cu	62.930	Peak Hopping	1	5.0 ms	250 ms
Zn	66.927	Peak Hopping	1	5.0 ms	250 ms
Zn	65.926	Peak Hopping	1	5.0 ms	250 ms
Se	75.919	Peak Hopping	1	5.0 ms	250 ms
Se	76.920	Peak Hopping	1	20.0 ms	1000 ms
Se	77.917	Peak Hopping	1	20.0 ms	1000 ms
Br	78.918	Peak Hopping	1	20.0 ms	1000 ms
Ge	71.922	Peak Hopping	1	14.0 ms	700 ms
Cd	107.904	Peak Hopping	1	5.0 ms	250 ms
Cd	113.904	Peak Hopping	1	14.0 ms	700 ms
Ag	108.905	Peak Hopping	1	5.0 ms	250 ms
In	114.904	Peak Hopping	1	14.0 ms	700 ms
207.977	207.977	Peak Hopping	1	14.0 ms	700 ms
Pb	206.976	Peak Hopping	1	14.0 ms	700 ms
Pb	205.975	Peak Hopping	1	14.0 ms	700 ms

Tm	168.934	Peak Hopping	1	14.0 ms	700 ms
Pd.	105.903	Peak Hopping	1	14.0 ms	700 ms
Kr	82.914	Peak Hopping	1	14.0 ms	700 ms

### Signal Processing

Detector Mode: Dual  
 Measurement Units: Counts  
 AutoLens: On  
 Spectral Peak Processing: Average  
 Signal Profile Processing: Average  
 Blank Subtraction: After Internal Standard  
 Baseline Readings: 0  
 Smoothing: Yes, Factor 5

### Equations

Analyte	Mass	Corrections
V	50.944	-3.108 * Cr 53 + 0.3524 * Cr 52
Ni	59.933	-0.005 * Ca 43
Cu	64.928	-0.0078 * Ti 49
As	74.922	-3.1278 * Se 77 + 1.0177 * Se 78
Se	81.917	- 0.00321 * Br 79
Cd	110.904	-1.073 * Pd 108 + 0.712 * Pd 106
In-1	114.904	- 0.014032 * Sn 118
Pb	207.977	+ 1.0 * Pb 207 + 1.0 * Pb 206
Cr	49.946	- 0.739726 * Ti 47 - 0.002506 * V 51
Se	75.919	- 0.268980 * Ge 72
Se	77.917	- 0.030435 * Kr 83
Cd	107.904	- 1.184953 * Pd 105
Cd	113.904	- 0.026826 * Sn 118
In	114.904	- 0.014032 * Sn 118

### Calibration Information

Analyte	Mass	Curve Type	Sample Units	Std Units	Std 1	Std 2	Std 3	Std 4
Sc	44.956	Linear Thru Zero	ug/L	ug/L				
Li-1	6.015	Linear Thru Zero	ug/L	ug/L				
Be	9.012	Linear Thru Zero	ug/L	ug/L	100			
Ca	43.956	Linear Thru Zero	ug/L	ug/L	5.1e+003			
V	50.944	Linear Thru Zero	ug/L	ug/L	100			
Cr	51.941	Linear Thru Zero	ug/L	ug/L	100			
Mn	54.938	Linear Thru Zero	ug/L	ug/L	100			
Co	58.933	Linear Thru Zero	ug/L	ug/L	100			
Ni	59.933	Linear Thru Zero	ug/L	ug/L	100			
Cu	64.928	Linear Thru Zero	ug/L	ug/L	100			
Zn	67.925	Linear Thru Zero	ug/L	ug/L	100			
As	74.922	Linear Thru Zero	ug/L	ug/L	100			
Se	81.917	Linear Thru Zero	ug/L	ug/L	100			
Mo	96.906	Linear Thru Zero	ug/L	ug/L	200			
Ge-1	71.922	Linear Thru Zero	ug/L	ug/L				
Ag	106.905	Linear Thru Zero	ug/L	ug/L	50			
Cd	110.904	Linear Thru Zero	ug/L	ug/L	100			
Ba	134.906	Linear Thru Zero	ug/L	ug/L	100			
In-1	114.904	Linear Thru Zero	ug/L	ug/L				
Pb	207.977	Linear Thru Zero	ug/L	ug/L	100			
Tm-1	168.934	Linear Thru Zero	ug/L	ug/L				

Cr	49.946	Linear Thru Zero	ug/L	ug/L	100
Cr	52.941	Linear Thru Zero	ug/L	ug/L	100
Ni	60.931	Linear Thru Zero	ug/L	ug/L	100
Cu	62.930	Linear Thru Zero	ug/L	ug/L	100
Zn	66.927	Linear Thru Zero	ug/L	ug/L	100
Zn	65.926	Linear Thru Zero	ug/L	ug/L	100
Se	75.919	Linear Thru Zero	ug/L	ug/L	100
Se	76.920	Linear Thru Zero	ug/L	ug/L	100
Se	77.917	Linear Thru Zero	ug/L	ug/L	100
Br	78.918	Linear Thru Zero	ug/L	ug/L	100
Ge	71.922	Linear Thru Zero	ug/L	ug/L	
Cd	107.904	Linear Thru Zero	ug/L	ug/L	100
Cd	113.904	Linear Thru Zero	ug/L	ug/L	100
Ag	108.905	Linear Thru Zero	ug/L	ug/L	50
In	114.904	Linear Thru Zero	ug/L	ug/L	
207.97	207.977	Linear Thru Zero	ug/L	ug/L	100
Pb	206.976	Linear Thru Zero	ug/L	ug/L	100
Pb	205.975	Linear Thru Zero	ug/L	ug/L	100
Tm	168.934	Linear Thru Zero	ug/L	ug/L	
Pd	105.903	Linear Thru Zero	ug/L	ug/L	100
Kr	82.914	Linear Thru Zero	ug/L	ug/L	100

**AIR TOX STANDARDS - 4 % HNO<sub>3</sub>, 0.5 % HCl**

**Standards for run:**

Tuning standard: 2532-67B

Internal standard: 2532-68A

Blank, CCBs: 2531-23E

Standard 1, CCVs: 2532-68C

ICV: 2532-63D

ICSA: 2532-67D

ICSAB: 2532-67E

File Number: 060621A1

## Instrument Tuning Report - Elan 6000

File Name: default.tun

### Sample Information

Sample Date/Time: Wednesday, June 21, 2006 11:08:34

Sample ID: TUNE BJONES

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.027	1567	0.751	2040	
Be	9.012	9.079	2060	0.739	2029	
Co	58.933	58.878	14280	0.724	1897	
In	114.904	114.928	27947	0.721	1863	
Ce	139.905	139.928	34030	0.720	1906	
Tl	204.975	205.029	49745	0.701	2129	
Pb	207.977	207.979	50452	0.706	2145	
U	238.050	238.026	57681	0.695	2307	

## Elan 6000 Instrument Optimization Report

File Name c:\elandata\Optimize\default.dac

Path c:\elandata\Optimize

### Sample Information

Sample Date/Time: Wednesday, June 21, 2006 11:08:34

Sample ID: TUNE BJONES

### Parameter Settings

Nebulizer Gas Flow	0.9
Lens Voltage	5.8
ICP RF Power	1100.0
Analog Stage Voltage	-2000.0
Pulse Stage Voltage	1400.0
Discriminator Threshold	70.0
AC Rod Offset	-7.0
Service DAC 1	60.0
Quadrupole Rod Offset	0.0

### AutoLens Calibration

Date: 11:14:58 Wed 21-Jun-06

Sample Filename: AUTOLENS BJONES.002

Dataset Pathname: 060621a1\

Lens Voltage Start:	4.00 V
Lens Voltage End:	7.00 V
Lens Voltage Step:	0.25 V
Slope:	0.0142
Intercept:	4.3876

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	4.5 V	6499 cps	13
Co	58.933	5.3 V	284714 cps	13
In	114.904	6.0 V	449791 cps	13

### Dual Detector Calibration

Date: 17:12:38 Thu 08-Jun-06

Sample Filename: DUAL BJONES.752

Dataset Pathname: c:\elandata\Dataset\dual detector calibration\

Points Acquired:	37
Lens Voltage Start:	-3.00 V
Lens Voltage End:	15.00 V
Lens Voltage Step:	0.50 V

Analyte	Mass	Gain	N(max)
Li	6.016	6887	1.82e+009 cps
Li	7.016	6412	1.95e+009 cps
Be	9.012	5988	2.09e+009 cps
B	11.009	6315	1.98e+009 cps
Na	22.990	6283	1.99e+009 cps

Report Date/Time: Wednesday, June 21, 2006 11:16:38

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Mg	23.985	5880 2.13e+009 cps
Mg	24.988	5606 2.23e+009 cps
Al	26.982	5476 2.29e+009 cps
P	30.995	5126 2.44e+009 cps
K	38.963	4982 2.51e+009 cps
Ca	42.959	4696 2.67e+009 cps
Ca	43.954	4905 2.55e+009 cps
Sc	44.957	4947 2.53e+009 cps
V	50.944	4866 2.57e+009 cps
Cr	51.943	4614 2.71e+009 cps
Fe	53.941	4573 2.74e+009 cps
Mn	54.940	4563 2.74e+009 cps
Fe	56.934	4410 2.84e+009 cps
Co	58.934	4308 2.91e+009 cps
Ni	59.934	4293 2.92e+009 cps
Cu	62.932	4198 2.98e+009 cps
Cu	64.927	4165 3.01e+009 cps
Zn	67.925	4247 2.95e+009 cps
Ge	71.922	4284 2.92e+009 cps
As	74.921	4219 2.97e+009 cps
Se	77.919	4286 2.92e+009 cps
Br	78.918	cps
Se	81.917	4161 3.01e+009 cps
Sr	87.905	4250 2.95e+009 cps
Mo	96.908	4211 2.97e+009 cps
Ag	106.906	3791 3.30e+009 cps
Ag	108.905	3773 3.32e+009 cps
Cd	110.904	3972 3.15e+009 cps
Cd	113.902	3951 3.17e+009 cps
In	114.903	3899 3.21e+009 cps
Sn	117.902	4019 3.11e+009 cps
Sb	120.902	3915 3.20e+009 cps
Ba	134.906	3868 3.24e+009 cps
Tm	168.932	3723 3.36e+009 cps
Tl	204.973	3584 3.49e+009 cps
Pb	207.979	3499 3.58e+009 cps
Bi	208.979	3544 3.53e+009 cps
U	238.050	3577 3.50e+009 cps

## Daily Performance Report - Elan 6000

Sample ID: DAILY BJONES

Sample Date/Time: Wednesday, June 21, 2006 11:17:13

Sample Description:

Sample File: C:\elandata\Sample\6171350X.sam

Method File: C:\elandata\Method\000-DAILY\_EPA.mth

Dataset File: c:\elandata\dataset\060621a1\DALY BJONES.003

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Number of Replicates: 5

Dual Detector Mode: Dual

### Summary

Analyte	Mass	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
Mg	24	91514.664	989.339	1.081
Rh	103	338875.331	3810.799	1.125
Pb	208	176641.489	2240.572	1.268
[> Ba	138	326293.628	1712.963	0.525
[< Ba++	69	0.032	0.000	1.159
[> Ce	140	396160.131	3356.990	0.847
[< CeO	156	0.030	0.001	2.504
Bkgd	220	4.571	3.097	67.748
Li	7	18447.891	274.008	1.485
Be	9	6290.154	140.467	2.233
Co	59	241367.342	2228.332	0.923
In	115	441374.098	4221.140	0.956
Tl	205	245505.559	6287.171	2.561

Sample ID: H64GW n.i.

Sample Description: G6F090224-1 N.I.

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 12:00:29

Method File: C:\elandata\Method\000-LISCGEIN....mth

Dataset File: c:\elandata\dataset\060621a1\H64-GW n.i..004

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 27

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

## Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			611.920	ug/L	0.000
45 Sc			13318.058	ug/L	0.000
69 Ga			3685.305	ug/L	0.000
72 Ge			1010.993	ug/L	0.000
89 Y			2737.443	ug/L	0.000
103 Rh			30.952	ug/L	0.000
115 In			1382.425	ug/L	0.000
133 Cs			2293.544	ug/L	0.000
165 Ho			106.667	ug/L	0.000
169 Tm			455.246	ug/L	0.000
209 Bi			1186.247	ug/L	0.000

## Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li	6	96.931
Sc	45	
Ga	69	
Ge	72	
Y	89	
Rh	103	
In	115	
Cs	133	93.109
Ho	165	
Tm	169	
Bi	209	

**Sample ID: Rinse 3X**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 12:10:24

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\Rinse 3X.005

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2016738.428	ug/L	2040058.847
6 Li-1			647028.225	ug/L	654365.843
9 Be	0.002531	169.419	3.000	ug/L	2.000
44 Ca	0.356599	238.604	23134.548	ug/L	22994.846
51 V	0.137114	309.755	-69144.444	ug/L	-71518.709
52 Cr	0.004816	384.959	58619.369	ug/L	58617.024
55 Mn	-0.035018	12.981	3440.010	ug/L	4308.062
59 Co	-0.001124	45.500	101.667	ug/L	122.001
60 Ni	-0.037446	12.026	96.497	ug/L	238.525
65 Cu	-0.019163	2.447	82.575	ug/L	146.810
68 Zn	0.243410	102.333	3369.319	ug/L	3085.879
75 As	-0.071966	353.779	19931.503	ug/L	20157.263
82 Se	0.141308	92.419	1277.406	ug/L	1241.555
97 Mo	-0.003852	23.969	33.333	ug/L	42.000
72 Ge-1			1328849.571	ug/L	1330397.647
107 Ag	-0.000507	83.273	43.333	ug/L	49.000
111 Cd	0.000836	128.876	8.117	ug/L	6.035
135 Ba	0.003308	34.188	231.670	ug/L	224.336
115 In-1			1275998.802	ug/L	1274115.104
208 Pb	-0.006217	72.616	1063.692	ug/L	1207.366
169 Tm-1			733788.591	ug/L	730011.191
50 Cr	-0.165208	104.173	-1484.102	ug/L	-1433.797
53 Cr	3.071585	116.026	238923.880	ug/L	234828.824
61 Ni	-1.132861	173.439	2661.468	ug/L	2734.529
63 Cu	-0.015898	14.647	77.001	ug/L	119.336
67 Zn	1.903236	52.557	2254.481	ug/L	2063.682
66 Zn	0.258227	110.320	1555.390	ug/L	1399.314
76 Se	-31.437510	90.067	-177935.961	ug/L	-176616.770
77 Se	-0.230943	147.504	21618.011	ug/L	21684.459
78 Se	0.137914	166.701	22487.642	ug/L	22421.699
79 Br	239.461630	82.970	55663.066	ug/L	53642.215
72 Ge			1328849.571	ug/L	1330397.647
108 Cd	-0.008175	56.556	3.260	ug/L	4.705
114 Cd	-0.000939	75.024	22.801	ug/L	28.180
109 Ag	0.000501	305.134	16.667	ug/L	14.667

[> 115 In				1275998.802	ug/L	1274115.104
208 207.977	-0.007767	61.047		543.017	ug/L	635.356
207 Pb	-0.008601	72.078		218.669	ug/L	261.004
206 Pb	-0.001578	299.719		302.005	ug/L	311.006
[> 169 Tm				733788.591	ug/L	730011.191
106 Pd	-0.006349	216.506		5.667	ug/L	7.000
83 Kr	-931.151863	193.011		1313.403	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc 45

[> Li-1 6 98.879

| Be 9

| Ca 44

| V 51

| Cr 52

| Mn 55

| Co 59

| Ni 60

| Cu 65

| Zn 68

| As 75

| Se 82

| Mo 97

[> Ge-1 72 99.884

| Ag 107

| Cd 111

| Ba 135

[> In-1 115 100.148

| Pb 208

[> Tm-1 169 100.517

| Cr 50

| Cr 53

| Ni 61

| Cu 63

| Zn 67

| Zn 66

| Se 76

| Se 77

| Se 78

| Br 79

[> Ge 72 99.884

| Cd 108

| Cd 114

| Ag 109

[> In 115 100.148

| 207.977 208

| Pb 207

| Pb 206

[> Tm 169 100.517

| Pd 106

| Kr 83

SOP No. SAC-MT-0001

BJones

**Sample ID: Blank**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 12:14:48

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\Blank.006

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2040058.847	ug/L	
6 Li-1			654365.843	ug/L	
9 Be			2.000	ug/L	
44 Ca			22994.846	ug/L	
51 V			-71518.709	ug/L	
52 Cr			58617.024	ug/L	
55 Mn			4308.062	ug/L	
59 Co			122.001	ug/L	
60 Ni			238.525	ug/L	
65 Cu			146.810	ug/L	
68 Zn			3085.879	ug/L	
75 As			20157.263	ug/L	
82 Se			1241.555	ug/L	
97 Mo			42.000	ug/L	
72 Ge-1			1330397.647	ug/L	
107 Ag			49.000	ug/L	
111 Cd			6.035	ug/L	
135 Ba			224.336	ug/L	
115 In-1			1274115.104	ug/L	
208 Pb			1207.366	ug/L	
169 Tm-1			730011.191	ug/L	
50 Cr			-1433.797	ug/L	
53 Cr			234828.824	ug/L	
61 Ni			2734.529	ug/L	
63 Cu			119.336	ug/L	
67 Zn			2063.682	ug/L	
66 Zn			1399.314	ug/L	
76 Se			-176616.770	ug/L	
77 Se			21684.459	ug/L	
78 Se			22421.699	ug/L	
79 Br			53642.215	ug/L	
72 Ge			1330397.647	ug/L	
108 Cd			4.705	ug/L	
114 Cd			28.180	ug/L	
109 Ag			14.667	ug/L	

[> ]	115 In	1274115.104	ug/L
[> ]	208 207.977	635.356	ug/L
[> ]	207 Pb	261.004	ug/L
[> ]	206 Pb	311.006	ug/L
[> ]	169 Tm	730011.191	ug/L
[> ]	106 Pd	7.000	ug/L
[> ]	83 Kr	1263.731	ug/L

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45
[> ]	Li-1 6
[> ]	Be 9
[> ]	Ca 44
[> ]	V 51
[> ]	Cr 52
[> ]	Mn 55
[> ]	Co 59
[> ]	Ni 60
[> ]	Cu 65
[> ]	Zn 68
[> ]	As 75
[> ]	Se 82
[> ]	Mo 97
[> ]	Ge-1 72
[> ]	Ag 107
[> ]	Cd 111
[> ]	Ba 135
[> ]	In-1 115
[> ]	Pb 208
[> ]	Tm-1 169
[> ]	Cr 50
[> ]	Cr 53
[> ]	Ni 61
[> ]	Cu 63
[> ]	Zn 67
[> ]	Zn 66
[> ]	Se 76
[> ]	Se 77
[> ]	Se 78
[> ]	Br 79
[> ]	Ge 72
[> ]	Cd 108
[> ]	Cd 114
[> ]	Ag 109
[> ]	In 115
[> ]	207.977 208
[> ]	Pb 207
[> ]	Pb 206
[> ]	Tm 169
[> ]	Pd 106
[> ]	Kr 83

**Sample ID: Standard 1**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 12:19:07

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\Standard 1.007

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1939607.743	ug/L	2040058.847	
6 Li-1					653912.142	ug/L	654365.843	
9 Be	100.000000	0.910			40989.127	ug/L	2.000	
44 Ca	5100.000000	0.801			2302362.291	ug/L	22994.846	
51 V	100.000000	1.323			1524753.259	ug/L	-71518.709	
52 Cr	100.000000	0.154			1459497.115	ug/L	58617.024	
55 Mn	100.000000	0.085			2359799.281	ug/L	4308.062	
59 Co	100.000000	0.953			1717594.223	ug/L	122.001	
60 Ni	100.000000	0.189			362126.938	ug/L	238.525	
65 Cu	100.000000	0.272			319727.927	ug/L	146.810	
68 Zn	100.000000	0.191			115580.076	ug/L	3085.879	
75 As	100.000000	0.228			287226.484	ug/L	20157.263	
82 Se	100.000000	0.217			26436.156	ug/L	1241.555	
97 Mo	200.000000	1.510			427760.466	ug/L	42.000	
72 Ge-1					1270291.117	ug/L	1330397.647	
107 Ag	50.000000	2.079			535431.197	ug/L	49.000	
111 Cd	100.000000	0.168			234369.446	ug/L	6.035	
135 Ba	100.000000	0.348			200537.016	ug/L	224.336	
115 In-1					1207732.880	ug/L	1274115.104	
208 Pb	100.000000	1.774			2291062.735	ug/L	1207.366	
169 Tm-1					698116.433	ug/L	730011.191	
50 Cr	100.000000	3.117			28729.520	ug/L	-1433.797	
53 Cr	100.000000	7.465			360370.971	ug/L	234828.824	
61 Ni	100.000000	3.463			8502.895	ug/L	2734.529	
63 Cu	100.000000	0.689			253810.819	ug/L	119.336	
67 Zn	100.000000	2.179			11679.128	ug/L	2063.682	
66 Zn	100.000000	0.560			59671.351	ug/L	1399.314	
76 Se	100.000000	29.754			-163995.545	ug/L	-176616.770	
77 Se	100.000000	5.206			37757.316	ug/L	21684.459	
78 Se	100.000000	0.366			85127.880	ug/L	22421.699	
79 Br	100.000000	223.863			52064.023	ug/L	53642.215	
72 Ge					1270291.117	ug/L	1330397.647	
108 Cd	100.000000	0.688			16806.184	ug/L	4.705	
114 Cd	100.000000	1.297			546892.498	ug/L	28.180	
109 Ag	50.000000	0.451			187624.321	ug/L	14.667	

> 115 In				1207732.880	ug/L	1274115.104
208 207.977	100.000000	2.775		1169808.288	ug/L	635.356
207 Pb	100.000000	1.734		482265.367	ug/L	261.004
206 Pb	100.000000	0.383		638989.080	ug/L	311.006
> 169 Tm				698116.433	ug/L	730011.191
106 Pd	100.000000	1.349		21007.858	ug/L	7.000
83 Kr	100.000000	525.058		1258.397	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	
Ag	107	
Cd	111	
Ba	135	
> In-1	115	
Pb	208	
> Tm-1	169	
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	
Cd	108	
Cd	114	
Ag	109	
> In	115	
207.977	208	
Pb	207	
Pb	206	
> Tm	169	
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

**Sample ID: ICV**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 12:23:09

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\ICV .008

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 3

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1941558.250	ug/L	2040058.847	
6 Li-1					661370.419	ug/L	654365.843	
9 Be	82.930556	2.189			34373.054	ug/L	2.000	
44 Ca	902.016456	0.780			427605.497	ug/L	22994.846	
51 V	84.633352	0.276			1286917.068	ug/L	-71518.709	
52 Cr	83.750040	0.380			1238078.335	ug/L	58617.024	
55 Mn	82.867377	0.799			1966779.228	ug/L	4308.062	
59 Co	82.896874	0.960			1431518.949	ug/L	122.001	
60 Ni	82.940039	0.152			302013.269	ug/L	238.525	
65 Cu	82.853142	0.248			266359.966	ug/L	146.810	
68 Zn	82.825118	0.785			96756.037	ug/L	3085.879	
75 As	80.206089	0.727			235452.640	ug/L	20157.263	
82 Se	81.600943	1.672			21907.972	ug/L	1241.555	
97 Mo	82.645338	0.627			177754.729	ug/L	42.000	
72 Ge-1					1277166.520	ug/L	1330397.647	
107 Ag	41.929389	0.506			452862.746	ug/L	49.000	
111 Cd	81.742026	0.309			193224.276	ug/L	6.035	
135 Ba	80.303001	1.527			162447.511	ug/L	224.336	
115 In-1					1218112.617	ug/L	1274115.104	
208 Pb	84.662895	0.665			1962803.396	ug/L	1207.366	
169 Tm-1					706348.684	ug/L	730011.191	
50 Cr	74.216098	1.851			21080.781	ug/L	-1433.797	
53 Cr	72.322925	7.147			324389.388	ug/L	234828.824	
61 Ni	78.880895	1.580			7296.843	ug/L	2734.529	
63 Cu	83.038396	0.584			211911.688	ug/L	119.336	
67 Zn	81.420464	0.877			9927.745	ug/L	2063.682	
66 Zn	81.720156	1.011			49273.095	ug/L	1399.314	
76 Se	77.390718	38.488			-165946.634	ug/L	-176616.770	
77 Se	75.800353	1.981			33808.328	ug/L	21684.459	
78 Se	81.822965	0.666			73943.003	ug/L	22421.699	
79 Br	666.268599	19.394			57072.030	ug/L	53642.215	
72 Ge					1277166.520	ug/L	1330397.647	
108 Cd	78.847559	1.360			13364.085	ug/L	4.705	
114 Cd	81.908583	1.123			451769.122	ug/L	28.180	
109 Ag	41.594284	0.876			157412.653	ug/L	14.667	

Report Date/Time: Wednesday, June 21, 2006 12:44:38

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Sample ID: ICV

G6F090224

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[> 115 In				1218112.617	ug/L	1274115.104
208 207.977	84.465784	0.177		999908.276	ug/L	635.356
207 Pb	84.465693	1.847		412210.338	ug/L	261.004
206 Pb	85.172593	1.391		550684.782	ug/L	311.006
169 Tm				706348.684	ug/L	730011.191
106 Pd	82.708867	1.234		17376.572	ug/L	7.000
83 Kr	-306.211280	435.480		1280.066	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	101.070
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	95.999
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	95.605
Pb	208	
[> Tm-1	169	96.759
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	95.999
Cd	108	
Cd	114	
Ag	109	
[> In	115	95.605
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	96.759
Pd	106	
Kr	83	

BJones

**Sample ID:** ICB**Sample Description:****Batch ID:**

Sample Date/Time: Wednesday, June 21, 2006 12:27:17

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\ICB.009

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mL):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1947739.248		ug/L	2040058.847
6 Li-1					669964.422		ug/L	654365.843
9 Be	0.003087	121.057			3.333		ug/L	2.000
44 Ca	-2.202318	41.296			21219.036		ug/L	22994.846
51 V	1.354950	2.527			-47254.948		ug/L	-71518.709
52 Cr	-0.046667	20.312			55968.429		ug/L	58617.024
55 Mn	-0.011449	10.025			3889.198		ug/L	4308.062
59 Co	0.000084	152.999			119.334		ug/L	122.001
60 Ni	-0.010480	26.351			192.060		ug/L	238.525
65 Cu	-0.004038	49.957			128.782		ug/L	146.810
68 Zn	-0.448995	19.539			2469.682		ug/L	3085.879
75 As	0.080528	423.593			19693.322		ug/L	20157.263
82 Se	0.105693	226.558			1226.525		ug/L	1241.555
97 Mo	0.383957	21.410			871.378		ug/L	42.000
72 Ge-1					1285323.760		ug/L	1330397.647
107 Ag	0.009944	22.428			155.335		ug/L	49.000
111 Cd	0.004715	5.838			17.047		ug/L	6.035
135 Ba	-0.004948	99.961			206.002		ug/L	224.336
115 In-1					1227390.146		ug/L	1274115.104
208 Pb	-0.006990	29.761			1010.690		ug/L	1207.366
169 Tm-1					709457.148		ug/L	730011.191
50 Cr	0.850789	10.592			-1126.119		ug/L	-1433.797
53 Cr	-31.072353	5.372			184087.813		ug/L	234828.824
61 Ni	-0.135991	427.463			2633.776		ug/L	2734.529
63 Cu	-0.001932	221.089			110.335		ug/L	119.336
67 Zn	-1.355559	69.562			1860.555		ug/L	2063.682
66 Zn	-0.486342	14.369			1064.848		ug/L	1399.314
76 Se	-33.996863	14.507			-172226.439		ug/L	-176616.770
77 Se	-19.868762	9.288			17522.609		ug/L	21684.459
78 Se	-1.164410	15.106			20911.400		ug/L	22421.699
79 Br	142.989531	107.785			53027.948		ug/L	53642.215
72 Ge					1285323.760		ug/L	1330397.647
108 Cd	-0.019345	201.318			1.199		ug/L	4.705
114 Cd	0.002327	26.555			40.071		ug/L	28.180
109 Ag	0.011253	17.787			57.001		ug/L	14.667

[> 115 In			1227390.146	ug/L	1274115.104
208 207.977	-0.006852	45.535	536.016	ug/L	635.356
207 Pb	-0.009932	20.916	205.002	ug/L	261.004
206 Pb	-0.005021	43.551	269.671	ug/L	311.006
[> 169 Tm			709457.148	ug/L	730011.191
106 Pd	-0.003174	754.984	6.333	ug/L	7.000
83 Kr	1431.109600	82.275	1187.390	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	102.384
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	96.612
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	96.333
Pb	208	
[> Tm-1	169	97.184
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	96.612
Cd	108	
Cd	114	
Ag	109	
[> In	115	96.333
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	97.184
Pd	106	
Kr	83	

**Sample ID: ICSA**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 12:31:25

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\ICSA.010

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1413320.137	ug/L	2040058.847	
6 Li-1					491258.664	ug/L	654365.843	
9 Be	0.030900	66.063			11.000	ug/L	2.000	
44 Ca	96408.780499	0.668	32985529.476		ug/L	22994.846		
51 V	1.660400	8.357	-31994.422		ug/L	-71518.709		
52 Cr	0.908509	7.386	52551.685		ug/L	58617.024		
55 Mn	2.254820	1.095	43766.866		ug/L	4308.062		
59 Co	1.701855	1.649	22441.080		ug/L	122.001		
60 Ni	2.060752	4.415	5878.066		ug/L	238.525		
65 Cu	0.283884	17.840	800.649		ug/L	146.810		
68 Zn	2.746181	6.875	4618.553		ug/L	3085.879		
75 As	0.533516	54.925	15812.614		ug/L	20157.263		
82 Se	1.454773	60.850	1187.369		ug/L	1241.555		
97 Mo	2077.290150	0.265	3397640.789		ug/L	42.000		
72 Ge-1			971445.977		ug/L	1330397.647		
107 Ag	0.252369	0.551	2273.295		ug/L	49.000		
111 Cd	0.633363	22.708	1233.030		ug/L	6.035		
135 Ba	0.833443	6.821	1556.472		ug/L	224.336		
115 In-1			998816.319		ug/L	1274115.104		
208 Pb	0.979247	1.586	18719.759		ug/L	1207.366		
169 Tm-1			554251.892		ug/L	730011.191		
50 Cr	131.417711	8.284	29204.861		ug/L	-1433.797		
53 Cr	-38.031558	7.589	131894.681		ug/L	234828.824		
61 Ni	37.191984	1.847	3672.156		ug/L	2734.529		
63 Cu	5.314369	0.327	10397.268		ug/L	119.336		
67 Zn	25.476186	0.306	3398.180		ug/L	2063.682		
66 Zn	8.378032	2.437	4759.289		ug/L	1399.314		
76 Se	-151.556280	24.339	-134336.684		ug/L	-176616.770		
77 Se	7.454593	19.724	16805.958		ug/L	21684.459		
78 Se	2.331150	8.447	17508.293		ug/L	22421.699		
79 Br	648066.821791	0.446	4163581.906		ug/L	53642.215		
72 Ge			971445.977		ug/L	1330397.647		
108 Cd	78.621628	1.917	10927.726		ug/L	4.705		
114 Cd	4.681250	1.219	21193.643		ug/L	28.180		
109 Ag	0.231434	3.982	729.752		ug/L	14.667		

[> 115 In			998816.319	ug/L	1274115.104
208 207.977	0.999770	0.576	9763.444	ug/L	635.356
207 Pb	1.002315	4.340	4033.597	ug/L	261.004
206 Pb	0.924266	2.395	4922.718	ug/L	311.006
[> 169 Tm			554251.892	ug/L	730011.191
106 Pd	0.538077	7.561	120.001	ug/L	7.000
83 Kr	-5686.984453	10.059	1567.098	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	75.074
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	73.019
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	78.393
Pb	208	
[> Tm-1	169	75.924
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	73.019
Cd	108	
Cd	114	
Ag	109	
[> In	115	78.393
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	75.924
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

**Sample ID: ICSAB**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 12:35:29

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\ICSAB.011

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 1

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1386322.750	ug/L		2040058.847
6 Li-1					484002.374	ug/L		654365.843
9 Be	98.735469	1.095			29953.522	ug/L		2.000
44 Ca	96540.260357	0.289			32350112.732	ug/L		22994.846
51 V	101.484233	0.273			1159785.442	ug/L		-71518.709
52 Cr	100.166389	0.224			1094911.021	ug/L		58617.024
55 Mn	96.416277	0.056			1704260.980	ug/L		4308.062
59 Co	98.088016	0.294			1261827.852	ug/L		122.001
60 Ni	94.390775	0.341			256033.958	ug/L		238.525
65 Cu	91.769619	0.533			219768.108	ug/L		146.810
68 Zn	100.960075	0.575			87377.780	ug/L		3085.879
75 As	103.602101	0.593			222361.323	ug/L		20157.263
82 Se	114.269516	0.116			22499.756	ug/L		1241.555
97 Mo	2186.897978	0.516			3503251.885	ug/L		42.000
72 Ge-1					951454.908	ug/L		1330397.647
107 Ag	46.570213	0.811			405466.270	ug/L		49.000
111 Cd	98.444915	1.083			187581.506	ug/L		6.035
135 Ba	105.214309	0.695			171533.720	ug/L		224.336
115 In-1					981922.665	ug/L		1274115.104
208 Pb	100.105878	0.677			1811052.000	ug/L		1207.366
169 Tm-1					551251.986	ug/L		730011.191
50 Cr	210.883623	7.658			46528.825	ug/L		-1433.797
53 Cr	86.988635	3.071			256616.685	ug/L		234828.824
61 Ni	131.012017	2.354			7735.564	ug/L		2734.529
63 Cu	96.190120	0.493			182857.773	ug/L		119.336
67 Zn	126.797778	0.587			10695.272	ug/L		2063.682
66 Zn	107.585922	1.317			48007.291	ug/L		1399.314
76 Se	-30.277112	61.130			-127363.574	ug/L		-176616.770
77 Se	127.634881	1.029			31804.748	ug/L		21684.459
78 Se	109.731804	0.820			68404.196	ug/L		22421.699
79 Br	7466.178560	14.128			84933.267	ug/L		53642.215
72 Ge					951454.908	ug/L		1330397.647
108 Cd	172.328512	1.310			23542.848	ug/L		4.705
114 Cd	103.232792	0.825			459009.802	ug/L		28.180
109 Ag	46.024048	1.013			140409.836	ug/L		14.667

[> 115 In				981922.665	ug/L	1274115.104
208 207.977	99.962551	0.572		923428.053	ug/L	635.356
207 Pb	99.934337	0.491		380565.206	ug/L	261.004
206 Pb	100.497741	1.031		507058.741	ug/L	311.006
[> 169 Tm				551251.986	ug/L	730011.191
106 Pd	78.853933	0.651		16567.003	ug/L	7.000
83 Kr	-4055.865135	10.929		1480.088	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc 45

[> Li-1 6 73.965

[< Be 9

[< Ca 44

[< V 51

[< Cr 52

[< Mn 55

[< Co 59

[< Ni 60

[< Cu 65

[< Zn 68

[< As 75

[< Se 82

[< Mo 97

[> Ge-1 72 71.517

[< Ag 107

[< Cd 111

[< Ba 135

[> In-1 115 77.067

[< Pb 208

[> Tm-1 169 75.513

[< Cr 50

[< Cr 53

[< Ni 61

[< Cu 63

[< Zn 67

[< Zn 66

[< Se 76

[< Se 77

[< Se 78

[< Br 79

[> Ge 72 71.517

[< Cd 108

[< Cd 114

[< Ag 109

[> In 115 77.067

[< 207.977 208

[< Pb 207

[< Pb 206

[> Tm 169 75.513

[< Pd 106

[< Kr 83

BJones

**Sample ID: Rinse**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 12:46:45

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\Rinse.012

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1840586.572	ug/L	2040058.847
6 Li-1			652680.632	ug/L	654365.843
9 Be	-0.001623	173.585	1.333	ug/L	2.000
44 Ca	-10.375609	4.083	16773.729	ug/L	22994.846
51 V	1.309093	7.811	-45944.901	ug/L	-71518.709
52 Cr	-0.995480	2.401	40681.352	ug/L	58617.024
55 Mn	-0.060900	7.195	2594.718	ug/L	4308.062
59 Co	-0.001073	12.829	95.001	ug/L	122.001
60 Ni	-0.042016	6.438	73.345	ug/L	238.525
65 Cu	-0.011285	67.301	100.794	ug/L	146.810
68 Zn	-0.809668	23.208	1971.224	ug/L	3085.879
75 As	-0.344955	12.551	17748.482	ug/L	20157.263
82 Se	-0.325068	36.916	1068.907	ug/L	1241.555
97 Mo	1.194804	5.014	2514.028	ug/L	42.000
72 Ge-1			1230517.996	ug/L	1330397.647
107 Ag	0.000847	125.568	53.334	ug/L	49.000
111 Cd	0.004013	103.442	14.542	ug/L	6.035
135 Ba	0.000572	1532.244	205.336	ug/L	224.336
115 In-1			1159978.606	ug/L	1274115.104
208 Pb	-0.022287	1.907	658.010	ug/L	1207.366
169 Tm-1			713021.801	ug/L	730011.191
50 Cr	1.073290	10.610	-1013.214	ug/L	-1433.797
53 Cr	-30.507482	6.590	176978.012	ug/L	234828.824
61 Ni	4.075297	65.395	2761.555	ug/L	2734.529
63 Cu	-0.013583	12.812	77.001	ug/L	119.336
67 Zn	-1.322895	63.140	1784.176	ug/L	2063.682
66 Zn	-0.876244	28.572	799.438	ug/L	1399.314
76 Se	-64.108540	66.474	-166236.606	ug/L	-176616.770
77 Se	-29.873174	1.672	15123.811	ug/L	21684.459
78 Se	-1.978776	3.603	19516.990	ug/L	22421.699
79 Br	1361.808898	15.834	60588.879	ug/L	53642.215
72 Ge			1230517.996	ug/L	1330397.647
108 Cd	0.011007	357.287	6.050	ug/L	4.705
114 Cd	0.002267	85.155	37.576	ug/L	28.180
109 Ag	0.003326	25.887	25.333	ug/L	14.667

[> 115 In				1159978.606	ug/L	1274115.104
208 207.977	-0.023655	8.202		338.007	ug/L	635.356
207 Pb	-0.023481	10.736		139.334	ug/L	261.004
206 Pb	-0.018881	19.664		180.669	ug/L	311.006
[> 169 Tm				713021.801	ug/L	730011.191
106 Pd	-0.004762	0.000		6.000	ug/L	7.000
83 Kr	3187.166714	10.279		1093.715	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	99.742
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	92.492
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	91.042
Pb	208	
[> Tm-1	169	97.673
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	92.492
Cd	108	
Cd	114	
Ag	109	
[> In	115	91.042
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	97.673
Pd	106	
Kr	83	

**Sample ID: Rinse**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 12:50:55

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\Rinse.013

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1856586.000	ug/L	2040058.847	
6 Li-1					671786.579	ug/L	654365.843	
9 Be	0.000633	773.523			2.333	ug/L	2.000	
44 Ca	-11.294408	7.539			16385.663	ug/L	22994.846	
51 V	1.214349	4.221			-47446.318	ug/L	-71518.709	
52 Cr	-0.922672	5.208			41698.125	ug/L	58617.024	
55 Mn	-0.062211	2.320			2566.710	ug/L	4308.062	
59 Co	-0.001319	37.100			91.000	ug/L	122.001	
60 Ni	-0.043701	6.940			67.425	ug/L	238.525	
65 Cu	-0.017545	14.075			81.492	ug/L	146.810	
68 Zn	-0.895050	35.579			1876.872	ug/L	3085.879	
75 As	-0.481816	42.410			17407.884	ug/L	20157.263	
82 Se	-0.164670	85.256			1108.912	ug/L	1241.555	
97 Mo	0.758713	2.506			1612.149	ug/L	42.000	
72 Ge-1					1231399.911	ug/L	1330397.647	
107 Ag	0.001646	55.091			62.334	ug/L	49.000	
111 Cd	0.002099	220.005			10.258	ug/L	6.035	
135 Ba	-0.000304	1254.299			206.002	ug/L	224.336	
115 In-1					1173607.819	ug/L	1274115.104	
208 Pb	-0.022827	22.428			637.676	ug/L	1207.366	
169 Tm-1					706040.419	ug/L	730011.191	
50 Cr	1.115473	6.800			-1001.721	ug/L	-1433.797	
53 Cr	-30.534300	5.421			177064.647	ug/L	234828.824	
61 Ni	3.342042	44.159			2721.518	ug/L	2734.529	
63 Cu	-0.019691	10.702			62.001	ug/L	119.336	
67 Zn	-3.212160	26.025			1607.414	ug/L	2063.682	
66 Zn	-0.926968	37.955			769.765	ug/L	1399.314	
76 Se	-45.839495	13.954			-165534.511	ug/L	-176616.770	
77 Se	-27.584292	5.319			15511.285	ug/L	21684.459	
78 Se	-1.980327	12.835			19529.081	ug/L	22421.699	
79 Br	918.064181	4.947			57057.608	ug/L	53642.215	
72 Ge					1231399.911	ug/L	1330397.647	
108 Cd	0.013553	238.454			6.594	ug/L	4.705	
114 Cd	0.001815	23.183			35.585	ug/L	28.180	
109 Ag	0.002419	15.781			22.333	ug/L	14.667	

[> 115 In			1173607.819	ug/L	1274115.104
208 207.977	-0.024649	21.451	322.339	ug/L	635.356
207 Pb	-0.021339	32.099	148.001	ug/L	261.004
206 Pb	-0.020614	18.605	167.335	ug/L	311.006
[> 169 Tm			706040.419	ug/L	730011.191
106 Pd	-0.012698	94.373	4.333	ug/L	7.000
83 Kr	3643.362080	32.958	1069.379	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	102.662
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	92.559
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	92.112
Pb	208	
[> Tm-1	169	96.716
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	92.559
Cd	108	
Cd	114	
Ag	109	
[> In	115	92.112
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	96.716
Pd	106	
Kr	83	

**Sample ID: Rinse**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 12:55:05

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\Rinse.014

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1873732.010	ug/L	2040058.847
6 Li-1			678295.766	ug/L	654365.843
9 Be	0.000616	224.550	2.333	ug/L	2.000
44 Ca	-10.604827	2.122	16777.069	ug/L	22994.846
51 V	1.229466	15.119	-47460.193	ug/L	-71518.709
52 Cr	-0.872948	1.967	42607.824	ug/L	58617.024
55 Mn	-0.064272	2.490	2533.367	ug/L	4308.062
59 Co	-0.000747	83.609	101.001	ug/L	122.001
60 Ni	-0.038547	9.428	86.049	ug/L	238.525
65 Cu	-0.017463	7.371	82.231	ug/L	146.810
68 Zn	-0.759279	23.663	2038.572	ug/L	3085.879
75 As	-0.251507	39.347	18100.950	ug/L	20157.263
82 Se	-0.061673	537.130	1140.268	ug/L	1241.555
97 Mo	0.490082	2.541	1060.731	ug/L	42.000
72 Ge-1			1238067.410	ug/L	1330397.647
107 Ag	0.001375	49.964	60.000	ug/L	49.000
111 Cd	0.002378	212.638	11.090	ug/L	6.035
135 Ba	-0.005409	295.960	198.002	ug/L	224.336
115 In-1			1184748.078	ug/L	1274115.104
208 Pb	-0.024124	13.953	613.342	ug/L	1207.366
169 Tm-1			711694.983	ug/L	730011.191
50 Cr	0.986994	13.227	-1044.735	ug/L	-1433.797
53 Cr	-29.473336	4.377	179438.627	ug/L	234828.824
61 Ni	4.293961	51.262	2791.248	ug/L	2734.529
63 Cu	-0.015792	29.314	72.001	ug/L	119.336
67 Zn	-2.621814	37.944	1672.115	ug/L	2063.682
66 Zn	-0.812826	30.439	840.449	ug/L	1399.314
76 Se	-37.681214	56.990	-166063.733	ug/L	-176616.770
77 Se	-27.514804	1.737	15608.072	ug/L	21684.459
78 Se	-2.076340	3.285	19576.076	ug/L	22421.699
79 Br	700.543037	26.449	55597.748	ug/L	53642.215
72 Ge			1238067.410	ug/L	1330397.647
108 Cd	0.013876	124.079	6.655	ug/L	4.705
114 Cd	-0.000159	56.607	25.350	ug/L	28.180
109 Ag	0.001641	68.216	19.667	ug/L	14.667

[> 115 In				1184748.078	ug/L	1274115.104
208 207.977	-0.025156	12.616		319.339	ug/L	635.356
207 Pb	-0.024347	16.487		134.668	ug/L	261.004
206 Pb	-0.022065	16.411		159.335	ug/L	311.006
[> 169 Tm			711694.983	ug/L		730011.191
106 Pd	-0.009523	217.945		5.000	ug/L	7.000
83 Kr	1949.801526	84.971		1159.721	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	103.657
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	93.060
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	92.986
Pb	208	
[> Tm-1	169	97.491
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	93.060
Cd	108	
Cd	114	
Ag	109	
[> In	115	92.986
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	97.491
Pd	106	
Kr	83	

**Sample ID: FB**

Sample Description: FB-F1815158

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 12:59:14

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\FB.015

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 19

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mL):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1875834.076	ug/L	2040058.847
6 Li-1			634719.506	ug/L	654365.843
9 Be	-0.002316	111.199	1.000	ug/L	2.000
44 Ca	234.188414	1.079	124020.442	ug/L	22994.846
51 V	3.467612	2.182	-12766.865	ug/L	-71518.709
52 Cr	-0.015560	231.549	54580.369	ug/L	58617.024
55 Mn	19.416759	1.124	451817.609	ug/L	4308.062
59 Co	0.696547	2.060	11824.986	ug/L	122.001
60 Ni	2.859139	1.653	10352.489	ug/L	238.525
65 Cu	0.540824	2.702	1829.444	ug/L	146.810
68 Zn	1.935746	14.103	5018.775	ug/L	3085.879
75 As	0.078132	27.508	19048.753	ug/L	20157.263
82 Se	-0.021770	414.998	1155.331	ug/L	1241.555
97 Mo	0.551124	7.090	1192.748	ug/L	42.000
72 Ge-1			1243704.779	ug/L	1330397.647
107 Ag	0.001258	28.323	59.000	ug/L	49.000
111 Cd	0.009366	64.702	27.158	ug/L	6.035
135 Ba	0.419772	5.731	1037.061	ug/L	224.336
115 In-1			1189561.437	ug/L	1274115.104
208 Pb	0.268250	3.042	7407.543	ug/L	1207.366
169 Tm-1			708842.818	ug/L	730011.191
50 Cr	4.518136	3.544	-8.807	ug/L	-1433.797
53 Cr	-109.230552	1.570	73999.836	ug/L	234828.824
61 Ni	6.236494	29.460	2915.694	ug/L	2734.529
63 Cu	0.579095	1.832	1549.718	ug/L	119.336
67 Zn	-7.367407	8.963	1228.909	ug/L	2063.682
66 Zn	1.975464	14.812	2436.286	ug/L	1399.314
76 Se	-12.976566	176.544	-165690.836	ug/L	-176616.770
77 Se	-88.434338	0.858	5512.216	ug/L	21684.459
78 Se	-1.143277	26.223	20246.097	ug/L	22421.699
79 Br	-2927.982364	6.636	26292.029	ug/L	53642.215
72 Ge			1243704.779	ug/L	1330397.647
108 Cd	0.199119	8.163	37.336	ug/L	4.705
114 Cd	0.002236	183.427	38.089	ug/L	28.180
109 Ag	0.000819	137.348	16.667	ug/L	14.667

[> 115 In				1189561.437	ug/L	1274115.104
208 207.977	0.271679	2.632		3841.510	ug/L	635.356
207 Pb	0.278163	4.384		1614.149	ug/L	261.004
206 Pb	0.254491	2.837		1951.884	ug/L	311.006
[> 169 Tm				708842.818	ug/L	730011.191
106 Pd	0.374590	17.857		85.667	ug/L	7.000
83 Kr	2743.467005	16.744		1117.383	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	96.998
Be	9	
[> Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	93.484
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	93.364
Pb	208	
[> Tm-1	169	97.100
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	93.484
Cd	108	
Cd	114	
Ag	109	
[> In	115	93.364
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	97.100
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

**Sample ID: CCV 1**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 13:03:22

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\CCV 1.016

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1822201.727	ug/L	2040058.847	
6 Li-1					667908.799	ug/L	654365.843	
9 Be	98.342411	1.516			41161.261	ug/L	2.000	
44 Ca	5061.939858	0.923			2168089.833	ug/L	22994.846	
51 V	103.247537	1.782			1495488.394	ug/L	-71518.709	
52 Cr	100.638821	0.778			1393035.279	ug/L	58617.024	
55 Mn	100.926995	0.472			2259411.629	ug/L	4308.062	
59 Co	99.177229	0.280			1615950.370	ug/L	122.001	
60 Ni	98.414286	0.407			338093.134	ug/L	238.525	
65 Cu	97.787163	0.143			296601.896	ug/L	146.810	
68 Zn	99.201511	0.725			108790.799	ug/L	3085.879	
75 As	99.592414	0.629			271443.876	ug/L	20157.263	
82 Se	97.515343	0.365			24484.077	ug/L	1241.555	
97 Mo	200.374402	0.194			406593.057	ug/L	42.000	
72 Ge-1					1205089.497	ug/L	1330397.647	
107 Ag	50.731236	1.147			510703.356	ug/L	49.000	
111 Cd	100.802982	1.499			222085.094	ug/L	6.035	
135 Ba	100.929478	0.268			190276.778	ug/L	224.336	
115 In-1					1135403.327	ug/L	1274115.104	
208 Pb	105.846441	1.512			2395557.086	ug/L	1207.366	
169 Tm-1					689749.818	ug/L	730011.191	
50 Cr	108.601973	2.146			29705.925	ug/L	-1433.797	
53 Cr	84.230272	6.840			321462.543	ug/L	234828.824	
61 Ni	100.013846	3.558			8066.403	ug/L	2734.529	
63 Cu	97.332879	0.095			234351.922	ug/L	119.336	
67 Zn	97.451361	2.142			10843.114	ug/L	2063.682	
66 Zn	97.951575	1.608			55474.455	ug/L	1399.314	
76 Se	80.268352	33.304			-156458.119	ug/L	-176616.770	
77 Se	78.085044	5.634			32270.620	ug/L	21684.459	
78 Se	98.420743	0.766			79801.899	ug/L	22421.699	
79 Br	416.597356	43.715			51881.514	ug/L	53642.215	
72 Ge					1205089.497	ug/L	1330397.647	
108 Cd	100.456422	1.907			15869.657	ug/L	4.705	
114 Cd	101.714923	1.445			522897.689	ug/L	28.180	
109 Ag	49.855223	1.154			175861.801	ug/L	14.667	

[> 115 In				1135403.327	ug/L	1274115.104
208	207.977	105.391416	2.387	1217972.868	ug/L	635.356
207 Pb		106.180171	2.573	505773.813	ug/L	261.004
206 Pb		106.427619	2.410	671810.405	ug/L	311.006
[> 169 Tm				689749.818	ug/L	730011.191
106 Pd		95.473697	0.608	20057.296	ug/L	7.000
83 Kr		2799.710463	21.073	1114.383	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	102.070
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	90.581
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	89.113
Pb	208	
[> Tm-1	169	94.485
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	90.581
Cd	108	
Cd	114	
Ag	109	
[> In	115	89.113
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	94.485
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

**Sample ID: CCB 1**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 13:07:31

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\CCB 1.017

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1853778.852		ug/L	2040058.847
6 Li-1					675100.245		ug/L	654365.843
9 Be	0.003796	37.389			3.667		ug/L	2.000
44 Ca	-7.950627	3.161			17649.116		ug/L	22994.846
51 V	1.591548	13.679			-41166.540		ug/L	-71518.709
52 Cr	-1.050714	4.491			39535.791		ug/L	58617.024
55 Mn	-0.024922	7.054			3382.320		ug/L	4308.062
59 Co	0.001915	48.941			143.335		ug/L	122.001
60 Ni	-0.002762	91.503			208.862		ug/L	238.525
65 Cu	0.000307	1177.825			135.352		ug/L	146.810
68 Zn	-0.579073	10.915			2200.277		ug/L	3085.879
75 As	-0.228625	80.278			17874.641		ug/L	20157.263
82 Se	0.202642	270.288			1186.073		ug/L	1241.555
97 Mo	0.788354	23.546			1656.829		ug/L	42.000
72 Ge-1					1218405.188		ug/L	1330397.647
107 Ag	0.011596	27.103			164.668		ug/L	49.000
111 Cd	0.007646	76.211			22.798		ug/L	6.035
135 Ba	0.003700	77.412			212.336		ug/L	224.336
115 In-1					1165421.483		ug/L	1274115.104
208 Pb	-0.009123	32.671			961.020		ug/L	1207.366
169 Tm-1					709597.711		ug/L	730011.191
50 Cr	1.202402	5.234			-966.079		ug/L	-1433.797
53 Cr	-38.398536	3.449			164939.475		ug/L	234828.824
61 Ni	4.200642	17.235			2741.535		ug/L	2734.529
63 Cu	0.000575	384.334			110.669		ug/L	119.336
67 Zn	-1.717956	52.477			1730.146		ug/L	2063.682
66 Zn	-0.648045	10.464			918.802		ug/L	1399.314
76 Se	-30.875832	102.084			-163124.380		ug/L	-176616.770
77 Se	-36.280008	3.773			13926.421		ug/L	21684.459
78 Se	-1.857987	4.979			19398.872		ug/L	22421.699
79 Br	480.112355	10.390			52959.964		ug/L	53642.215
72 Ge					1218405.188		ug/L	1330397.647
108 Cd	-0.003411	605.848			3.742		ug/L	4.705
114 Cd	0.003993	76.242			46.834		ug/L	28.180
109 Ag	0.012035	13.362			57.001		ug/L	14.667

[> 115 In			1165421.483	ug/L	1274115.104
208 207.977	-0.010585	34.956	491.681	ug/L	635.356
207 Pb	-0.008563	53.227	211.669	ug/L	261.004
206 Pb	-0.006870	24.241	257.670	ug/L	311.006
[> 169 Tm			709597.711	ug/L	730011.191
106 Pd	0.007936	138.564	8.667	ug/L	7.000
83 Kr	2199.770125	106.722	1146.386	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	103.169
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	91.582
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	91.469
Pb	208	
[> Tm-1	169	97.204
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	91.582
Cd	108	
Cd	114	
Ag	109	
[> In	115	91.469
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	97.204
Pd	106	
Kr	83	

BJones

**Sample ID: CCV 2**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 13:11:39

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\CCV 2.018

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1831051.493	ug/L	2040058.847
6 Li-1			672342.154	ug/L	654365.843
9 Be	99.019210	0.461	41730.275	ug/L	2.000
44 Ca	5094.305851	0.873	2170130.004	ug/L	22994.846
51 V	102.779451	0.778	1480443.309	ug/L	-71518.709
52 Cr	101.357425	0.693	1395034.792	ug/L	58617.024
55 Mn	101.489724	1.211	2259561.663	ug/L	4308.062
59 Co	99.674151	0.294	1615292.065	ug/L	122.001
60 Ni	98.890181	0.644	337885.478	ug/L	238.525
65 Cu	97.921871	0.502	295403.485	ug/L	146.810
68 Zn	99.150599	1.206	108146.561	ug/L	3085.879
75 As	100.295920	0.295	271764.011	ug/L	20157.263
82 Se	97.766155	0.514	24411.844	ug/L	1241.555
97 Mo	199.669839	1.359	402952.728	ug/L	42.000
72 Ge-1			1198589.558	ug/L	1330397.647
107 Ag	50.544288	0.264	507066.054	ug/L	49.000
111 Cd	101.309180	0.480	222432.303	ug/L	6.035
135 Ba	99.943933	1.005	187760.653	ug/L	224.336
115 In-1			1131409.172	ug/L	1274115.104
208 Pb	103.636876	0.619	2364503.221	ug/L	1207.366
169 Tm-1			695210.197	ug/L	730011.191
50 Cr	105.719463	2.636	28726.536	ug/L	-1433.797
53 Cr	84.076301	3.742	319519.571	ug/L	234828.824
61 Ni	97.682435	0.796	7892.621	ug/L	2734.529
63 Cu	97.714285	0.333	234003.564	ug/L	119.336
67 Zn	97.815792	0.998	10818.360	ug/L	2063.682
66 Zn	97.449235	0.226	54900.062	ug/L	1399.314
76 Se	95.839977	43.339	-154938.926	ug/L	-176616.770
77 Se	76.594978	1.677	31854.537	ug/L	21684.459
78 Se	98.768841	0.638	79581.937	ug/L	22421.699
79 Br	283.534920	27.884	50557.397	ug/L	53642.215
72 Ge			1198589.558	ug/L	1330397.647
108 Cd	100.610656	0.545	15839.917	ug/L	4.705
114 Cd	101.769172	0.812	521380.385	ug/L	28.180
109 Ag	50.229977	0.915	176577.591	ug/L	14.667

[> 115 In				1131409.172	ug/L	1274115.104
208 207.977	102.658984	1.553		1195949.997	ug/L	635.356
207 Pb	104.015737	1.218		499523.483	ug/L	261.004
206 Pb	105.141246	0.407		669029.741	ug/L	311.006
[> 169 Tm				695210.197	ug/L	730011.191
106 Pd	94.970984	0.691		19951.722	ug/L	7.000
83 Kr	2443.499778	36.799		1133.385	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	102.747
Be	9	
[> Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	90.093
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	88.800
Pb	208	
[> Tm-1	169	95.233
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	90.093
Cd	108	
Cd	114	
Ag	109	
[> In	115	88.800
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	95.233
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

**Sample ID: CCB 2**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 13:15:48

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\CCB 2.019

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1856216.986		ug/L	2040058.847
6 Li-1					675531.739		ug/L	654365.843
9 Be	0.002928	178.991			3.333		ug/L	2.000
44 Ca	-8.024197	3.512			17708.235		ug/L	22994.846
51 V	1.630608	5.140			-40795.671		ug/L	-71518.709
52 Cr	-1.011376	2.003			40273.807		ug/L	58617.024
55 Mn	-0.021096	5.132			3486.695		ug/L	4308.062
59 Co	0.003585	18.454			171.668		ug/L	122.001
60 Ni	0.002937	219.180			229.885		ug/L	238.525
65 Cu	0.002368	288.041			142.410		ug/L	146.810
68 Zn	0.310385	500.358			3182.022		ug/L	3085.879
75 As	-0.345433	96.082			17663.741		ug/L	20157.263
82 Se	0.024513	1110.131			1148.777		ug/L	1241.555
97 Mo	0.787934	23.740			1662.830		ug/L	42.000
72 Ge-1					1224691.037		ug/L	1330397.647
107 Ag	0.012562	12.988			174.335		ug/L	49.000
111 Cd	0.007298	86.998			21.967		ug/L	6.035
135 Ba	-0.002574	289.103			199.669		ug/L	224.336
115 In-1					1162893.994		ug/L	1274115.104
208 Pb	-0.004424	187.381			1058.025		ug/L	1207.366
169 Tm-1					702659.829		ug/L	730011.191
50 Cr	1.309760	3.142			-939.826		ug/L	-1433.797
53 Cr	-39.266829	4.292			164652.905		ug/L	234828.824
61 Ni	2.000387	46.312			2630.774		ug/L	2734.529
63 Cu	-0.000081	3029.653			109.669		ug/L	119.336
67 Zn	-0.768141	176.982			1828.203		ug/L	2063.682
66 Zn	0.304960	563.837			1462.110		ug/L	1399.314
76 Se	-32.402203	78.037			-164027.984		ug/L	-176616.770
77 Se	-36.146377	4.293			14020.861		ug/L	21684.459
78 Se	-1.961734	8.372			19434.822		ug/L	22421.699
79 Br	392.917143	23.182			52531.495		ug/L	53642.215
72 Ge					1224691.037		ug/L	1330397.647
108 Cd	0.020937	150.834			7.655		ug/L	4.705
114 Cd	0.005993	55.119			57.425		ug/L	28.180
109 Ag	0.015040	10.783			67.667		ug/L	14.667

[> 115 In				1162893.994	ug/L	1274115.104
208 207.977	-0.005918	152.468		540.684	ug/L	635.356
207 Pb	-0.003974	189.025		231.670	ug/L	261.004
206 Pb	-0.002029	430.613		285.671	ug/L	311.006
[> 169 Tm				702659.829	ug/L	730011.191
106 Pd	-0.003174	312.250		6.333	ug/L	7.000
83 Kr	3368.393887	36.383		1084.047	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	103.235
Be	9	
[> Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	92.055
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	91.271
Pb	208	
[> Tm-1	169	96.253
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	92.055
Cd	108	
Cd	114	
Ag	109	
[> In	115	91.271
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	96.253
Pd	106	
Kr	83	

**Sample ID: H7RCAB**

Sample Description: G6F200000-370 BLK

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 13:19:57

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H7RCAB.020

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 20

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1887141.745		ug/L	2040058.847
6 Li-1					652046.399		ug/L	654365.843
9 Be	0.001684	226.831			2.667		ug/L	2.000
44 Ca	-12.346660	3.221			15985.590		ug/L	22994.846
51 V	3.730727	2.429			-8611.158		ug/L	-71518.709
52 Cr	-1.982326	1.224			27376.764		ug/L	58617.024
55 Mn	-0.009169	61.906			3790.822		ug/L	4308.062
59 Co	0.006287	16.625			218.336		ug/L	122.001
60 Ni	-0.019525	15.830			152.798		ug/L	238.525
65 Cu	0.003523	129.334			147.282		ug/L	146.810
68 Zn	-0.450046	16.810			2372.989		ug/L	3085.879
75 As	0.089150	156.446			18953.304		ug/L	20157.263
82 Se	0.169231	295.167			1194.585		ug/L	1241.555
97 Mo	0.303489	6.041			670.359		ug/L	42.000
72 Ge-1					1235574.182		ug/L	1330397.647
107 Ag	0.002979	17.665			78.334		ug/L	49.000
111 Cd	-0.000438	127.067			4.693		ug/L	6.035
135 Ba	-0.044576	12.156			123.334		ug/L	224.336
115 In-1					1207675.941		ug/L	1274115.104
208 Pb	-0.025318	0.232			588.674		ug/L	1207.366
169 Tm-1					714928.072		ug/L	730011.191
50 Cr	3.707150	4.922			-246.330		ug/L	-1433.797
53 Cr	-117.048613	2.007			63162.830		ug/L	234828.824
61 Ni	4.757480	17.103			2812.265		ug/L	2734.529
63 Cu	-0.004658	143.482			99.335		ug/L	119.336
67 Zn	-9.750419	10.840			995.826		ug/L	2063.682
66 Zn	-0.327460	40.970			1113.866		ug/L	1399.314
76 Se	0.416056	4513.171			-164009.702		ug/L	-176616.770
77 Se	-91.988613	1.409			4886.623		ug/L	21684.459
78 Se	-1.328232	18.854			20000.609		ug/L	22421.699
79 Br	-3467.601510	4.287			21748.607		ug/L	53642.215
72 Ge					1235574.182		ug/L	1330397.647
108 Cd	-0.019041	54.437			1.260		ug/L	4.705
114 Cd	0.002754	37.937			41.766		ug/L	28.180
109 Ag	0.004206	58.038			29.667		ug/L	14.667

[>]	115 In			1207675.941	ug/L	1274115.104
[>]	208 207.977	-0.026183	2.982	308.672	ug/L	635.356
[>]	207 Pb	-0.026127	8.829	126.668	ug/L	261.004
[>]	206 Pb	-0.023122	11.866	153.335	ug/L	311.006
[>]	169 Tm			714928.072	ug/L	730011.191
[>]	106 Pd	-0.007936	34.641	5.333	ug/L	7.000
[>]	83 Kr	2068.537795	87.142	1153.387	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc 45

[>] Li-1 6 99.646

[>] Be 9

[>] Ca 44

[>] V 51

[>] Cr 52

[>] Mn 55

[>] Co 59

[>] Ni 60

[>] Cu 65

[>] Zn 68

[>] As 75

[>] Se 82

[>] Mo 97

[>] Ge-1 72 92.873

[>] Ag 107

[>] Cd 111

[>] Ba 135

[>] In-1 115 94.785

[>] Pb 208

[>] Tm-1 169 97.934

[>] Cr 50

[>] Cr 53

[>] Ni 61

[>] Cu 63

[>] Zn 67

[>] Zn 66

[>] Se 76

[>] Se 77

[>] Se 78

[>] Br 79

[>] Ge 72 92.873

[>] Cd 108

[>] Cd 114

[>] Ag 109

[>] In 115 94.785

[>] 207.977 208

[>] Pb 207

[>] Pb 206

[>] Tm 169 97.934

[>] Pd 106

[>] Kr 83

**Sample ID: H7RCAC**

Sample Description: G6F200000-370 LCS

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 13:24:03

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H7RCAC.021

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 101

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1857014.321	ug/L	2040058.847
6 Li-1			664579.178	ug/L	654365.843
9 Be	183.966059	0.800	76627.748	ug/L	2.000
44 Ca	1110.385157	1.163	491742.076	ug/L	22994.846
51 V	197.603051	0.602	2920935.213	ug/L	-71518.709
52 Cr	198.177032	0.550	2691216.915	ug/L	58617.024
55 Mn	202.238681	0.669	4522395.517	ug/L	4308.062
59 Co	196.034297	0.450	3193310.429	ug/L	122.001
60 Ni	195.344323	0.250	670738.728	ug/L	238.525
65 Cu	194.634458	0.921	590119.417	ug/L	146.810
68 Zn	191.182622	0.838	207029.308	ug/L	3085.879
75 As	186.924993	0.102	493370.482	ug/L	20157.263
82 Se	182.267273	0.872	44778.372	ug/L	1241.555
97 Mo	202.894245	0.537	411628.052	ug/L	42.000
72 Ge-1			1204833.178	ug/L	1330397.647
107 Ag	48.984091	0.537	517423.463	ug/L	49.000
111 Cd	187.319730	0.901	433044.227	ug/L	6.035
135 Ba	194.531605	0.182	384599.654	ug/L	224.336
115 In-1			1191288.877	ug/L	1274115.104
208 Pb	202.465644	0.696	4752985.501	ug/L	1207.366
169 Tm-1			715524.791	ug/L	730011.191
50 Cr	183.714925	1.091	51144.675	ug/L	-1433.797
53 Cr	142.438893	2.704	396528.841	ug/L	234828.824
61 Ni	197.094642	0.529	13488.047	ug/L	2734.529
63 Cu	189.375838	0.383	455767.325	ug/L	119.336
67 Zn	180.898964	0.704	18524.747	ug/L	2063.682
66 Zn	184.042946	0.848	103098.892	ug/L	1399.314
76 Se	193.735543	12.330	-151434.827	ug/L	-176616.770
77 Se	123.602975	2.240	39623.715	ug/L	21684.459
78 Se	184.737262	0.827	131953.623	ug/L	22421.699
79 Br	-3341.681776	4.920	22208.433	ug/L	53642.215
72 Ge			1204833.178	ug/L	1330397.647
108 Cd	181.916088	0.957	30152.339	ug/L	4.705
114 Cd	184.372255	0.664	994575.362	ug/L	28.180
109 Ag	47.417741	0.609	175511.627	ug/L	14.667

[> 115 In				1191288.877	ug/L	1274115.104
208 207.977	206.280202	0.554		2472676.979	ug/L	635.356
207 Pb	209.576388	1.072		1035574.064	ug/L	261.004
206 Pb	190.115424	0.902		1244734.459	ug/L	311.006
[> 169 Tm				715524.791	ug/L	730011.191
106 Pd	189.245071	0.838		39750.089	ug/L	7.000
83 Kr	3812.093185	24.260		1060.378	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	101.561
Be	9	
[> Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	90.562
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	93.499
Pb	208	
[> Tm-1	169	98.016
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	90.562
Cd	108	
Cd	114	
Ag	109	
[> In	115	93.499
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	98.016
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

**Sample ID: H7RCAL**

Sample Description: G6F200000-370 LCSD

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 13:28:06

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H7RCAL.022

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 102

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1818017.363	ug/L	2040058.847	
6 Li-1					656881.610	ug/L	654365.843	
9 Be	185.163659	0.261			76238.706	ug/L	2.000	
44 Ca	1118.715614	1.214			491080.346	ug/L	22994.846	
51 V	196.215376	0.284			2875457.875	ug/L	-71518.709	
52 Cr	196.506063	0.367			2646365.066	ug/L	58617.024	
55 Mn	199.937826	1.319			4433010.426	ug/L	4308.062	
59 Co	195.711140	1.271			3160932.401	ug/L	122.001	
60 Ni	191.928323	0.324			653439.633	ug/L	238.525	
65 Cu	191.588071	0.416			575939.583	ug/L	146.810	
68 Zn	188.466384	0.667			202401.564	ug/L	3085.879	
75 As	185.262496	0.313			484999.125	ug/L	20157.263	
82 Se	181.143140	0.239			44130.899	ug/L	1241.555	
97 Mo	202.160788	0.818			406651.718	ug/L	42.000	
72 Ge-1					1194634.512	ug/L	1330397.647	
107 Ag	48.936819	0.362			510980.781	ug/L	49.000	
111 Cd	186.970534	0.620			427252.668	ug/L	6.035	
135 Ba	193.332531	0.513			377828.734	ug/L	224.336	
115 In-1					1177580.937	ug/L	1274115.104	
208 Pb	200.580295	0.534			4744867.333	ug/L	1207.366	
169 Tm-1					720978.250	ug/L	730011.191	
50 Cr	185.326042	3.061			51170.211	ug/L	-1433.797	
53 Cr	138.608427	2.908			388254.217	ug/L	234828.824	
61 Ni	193.536817	0.848			13176.387	ug/L	2734.529	
63 Cu	186.886922	0.931			445957.006	ug/L	119.336	
67 Zn	179.044834	2.412			18198.519	ug/L	2063.682	
66 Zn	181.680353	0.994			100926.588	ug/L	1399.314	
76 Se	174.409096	6.209			-150996.585	ug/L	-176616.770	
77 Se	121.467533	0.819			38944.241	ug/L	21684.459	
78 Se	182.187100	0.751			129303.002	ug/L	22421.699	
79 Br	-3364.125514	4.642			21842.781	ug/L	53642.215	
72 Ge					1194634.512	ug/L	1330397.647	
108 Cd	180.809362	0.112			29624.274	ug/L	4.705	
114 Cd	185.328407	0.718			988202.926	ug/L	28.180	
109 Ag	47.893701	0.716			175235.999	ug/L	14.667	

[> 115	In			1177580.937	ug/L	1274115.104
208	207.977	204.565185	0.377	2470916.304	ug/L	635.356
207	Pb	208.193896	0.974	1036631.002	ug/L	261.004
206	Pb	187.538719	0.818	1237320.028	ug/L	311.006
[> 169	Tm			720978.250	ug/L	730011.191
106	Pd	183.931111	1.248	38634.112	ug/L	7.000
83	Kr	2112.286092	48.864	1151.053	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	100.384
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	89.795
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	92.423
Pb	208	
[> Tm-1	169	98.763
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	89.795
Cd	108	
Cd	114	
Ag	109	
[> In	115	92.423
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	98.763
Pd	106	
Kr	83	

**Sample ID: H64GW**

Sample Description: G6F090224-1

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 13:32:10

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64GW.023

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 27

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1827381.114	ug/L	2040058.847	
6 Li-1					654298.682	ug/L	654365.843	
9 Be	0.012249	60.901			7.000	ug/L	2.000	
44 Ca	376.399759	0.976	376.399759		181007.118	ug/L	22994.846	
51 V	4.214630	1.908			-1090.818	ug/L	-71518.709	
52 Cr	0.477467	5.124			59620.101	ug/L	58617.024	
55 Mn	16.349080	0.759			370301.596	ug/L	4308.062	
59 Co	0.340322	3.165			5671.172	ug/L	122.001	
60 Ni	2.306902	0.932			8158.941	ug/L	238.525	
65 Cu	13.685940	0.663			41742.549	ug/L	146.810	
68 Zn	5.282730	2.879			8463.425	ug/L	3085.879	
75 As	0.059864	196.348			18462.191	ug/L	20157.263	
82 Se	0.142927	203.419			1162.150	ug/L	1241.555	
97 Mo	1.068503	18.307			2212.286	ug/L	42.000	
72 Ge-1					1208464.711	ug/L	1330397.647	
107 Ag	0.027966	10.396			335.673	ug/L	49.000	
111 Cd	0.034264	16.510			83.343	ug/L	6.035	
135 Ba	2.483505	2.110			5030.446	ug/L	224.336	
115 In-1					1171289.492	ug/L	1274115.104	
208 Pb	0.806932	2.152			20051.340	ug/L	1207.366	
169 Tm-1					713147.237	ug/L	730011.191	
50 Cr	6.293874	4.469			499.530	ug/L	-1433.797	
53 Cr	-116.448624	2.561			62558.411	ug/L	234828.824	
61 Ni	5.015178	25.689			2764.890	ug/L	2734.529	
63 Cu	13.745893	0.294			33282.295	ug/L	119.336	
67 Zn	-4.524443	19.853			1456.673	ug/L	2063.682	
66 Zn	5.432639	2.388			4285.938	ug/L	1399.314	
76 Se	-50.981290	12.751			-162676.036	ug/L	-176616.770	
77 Se	-92.848978	0.838			4640.195	ug/L	21684.459	
78 Se	-2.040126	15.985			19129.968	ug/L	22421.699	
79 Br	-3285.620348	3.875			22713.645	ug/L	53642.215	
72 Ge					1208464.711	ug/L	1330397.647	
108 Cd	0.243738	22.669			43.979	ug/L	4.705	
114 Cd	0.029256	24.582			181.172	ug/L	28.180	
109 Ag	0.025219	12.986			105.335	ug/L	14.667	

[> 115	In			1171289.492	ug/L	1274115.104
208	207.977	0.837678	2.467	10623.445	ug/L	635.356
207	Pb	0.815653	2.543	4270.042	ug/L	261.004
206	Pb	0.744061	2.280	5157.854	ug/L	311.006
[> 169	Tm			713147.237	ug/L	730011.191
106	Pd	0.534903	21.464	119.334	ug/L	7.000
83	Kr	3337.147701	34.869	1085.714	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	99.990
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	90.835
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	91.930
Pb	208	
[> Tm-1	169	97.690
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	90.835
Cd	108	
Cd	114	
Ag	109	
[> In	115	91.930
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	97.690
Pd	106	
Kr	83	

**Sample ID: H64GWP5**

Sample Description: G6F090224-1 5X

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 13:36:15

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64GWP5.024

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 28

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1836876.656	ug/L	2040058.847	
6 Li-1					678472.442	ug/L	654365.843	
9 Be	0.005257	134.825			4.333	ug/L	2.000	
44 Ca	71.094303	1.403			51089.383	ug/L	22994.846	
51 V	2.322730	5.972			-29744.261	ug/L	-71518.709	
52 Cr	-0.162516	9.643			51035.410	ug/L	58617.024	
55 Mn	3.325594	0.693			78379.840	ug/L	4308.062	
59 Co	0.068140	1.858			1223.085	ug/L	122.001	
60 Ni	0.442517	2.923			1738.707	ug/L	238.525	
65 Cu	2.717623	1.503			8388.695	ug/L	146.810	
68 Zn	1.196682	9.172			4081.952	ug/L	3085.879	
75 As	-0.246727	45.248			17665.942	ug/L	20157.263	
82 Se	-0.127968	154.175			1096.022	ug/L	1241.555	
97 Mo	0.298219	3.105			644.357	ug/L	42.000	
72 Ge-1					1207523.069	ug/L	1330397.647	
107 Ag	0.014316	6.152			192.335	ug/L	49.000	
111 Cd	0.003903	82.447			14.389	ug/L	6.035	
135 Ba	0.485446	3.657			1141.741	ug/L	224.336	
115 In-1					1163329.809	ug/L	1274115.104	
208 Pb	0.139967	2.522			4400.432	ug/L	1207.366	
169 Tm-1					704632.256	ug/L	730011.191	
50 Cr	2.021699	3.368			-723.037	ug/L	-1433.797	
53 Cr	-53.046954	3.609			144525.114	ug/L	234828.824	
61 Ni	0.917648	175.316			2533.695	ug/L	2734.529	
63 Cu	2.772824	2.275			6794.380	ug/L	119.336	
67 Zn	-2.272781	32.911			1663.443	ug/L	2063.682	
66 Zn	1.145501	16.522			1904.915	ug/L	1399.314	
76 Se	-37.037917	71.697			-161937.339	ug/L	-176616.770	
77 Se	-44.580412	0.197			12457.872	ug/L	21684.459	
78 Se	-2.583093	8.765			18786.442	ug/L	22421.699	
79 Br	-114.721144	13.915			47780.145	ug/L	53642.215	
72 Ge					1207523.069	ug/L	1330397.647	
108 Cd	0.063981	31.021			14.619	ug/L	4.705	
114 Cd	0.010123	82.185			79.464	ug/L	28.180	
109 Ag	0.016496	4.646			73.001	ug/L	14.667	

[> 115 In				1163329.809	ug/L	1274115.104
208 207.977	0.144204	4.357		2314.973	ug/L	635.356
207 Pb	0.142051	0.328		943.051	ug/L	261.004
206 Pb	0.130638	6.465		1142.408	ug/L	311.006
[> 169 Tm				704632.256	ug/L	730011.191
106 Pd	0.077775	9.352		23.333	ug/L	7.000
83 Kr	4362.027243	27.254		1031.043	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	103.684
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	90.764
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	91.305
Pb	208	
[> Tm-1	169	96.523
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	90.764
Cd	108	
Cd	114	
Ag	109	
[> In	115	91.305
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	96.523
Pd	106	
Kr	83	

**Sample ID: H64GWZ**

Sample Description: G6F090224-1 PS

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 13:40:19

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64GWZ.025

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 29

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1811381.686	ug/L	2040058.847	
6 Li-1					667595.177	ug/L	654365.843	
9 Be	192.851019	2.977			80672.903	ug/L	2.000	
44 Ca	1504.289340	1.645			645762.154	ug/L	22994.846	
51 V	204.172515	1.342			2960402.787	ug/L	-71518.709	
52 Cr	209.820636	1.391			2789807.623	ug/L	58617.024	
55 Mn	224.452738	2.318			4918937.819	ug/L	4308.062	
59 Co	206.403581	1.380			3295620.154	ug/L	122.001	
60 Ni	202.833485	1.275			682654.553	ug/L	238.525	
65 Cu	213.728363	1.511			635130.013	ug/L	146.810	
68 Zn	206.954378	1.205			219452.630	ug/L	3085.879	
75 As	197.572518	1.421			510118.880	ug/L	20157.263	
82 Se	195.723516	1.968			47045.811	ug/L	1241.555	
97 Mo	211.452805	1.723			420468.571	ug/L	42.000	
72 Ge-1					1181110.865	ug/L	1330397.647	
107 Ag	56.287561	1.292			585510.852	ug/L	49.000	
111 Cd	196.946791	1.883			448374.305	ug/L	6.035	
135 Ba	205.562230	2.059			400173.316	ug/L	224.336	
115 In-1					1173315.911	ug/L	1274115.104	
208 Pb	209.263257	2.907			4898963.325	ug/L	1207.366	
169 Tm-1					713875.197	ug/L	730011.191	
50 Cr	198.779595	1.934			54341.808	ug/L	-1433.797	
53 Cr	158.010427	1.811			408385.156	ug/L	234828.824	
61 Ni	203.488091	2.876			13571.079	ug/L	2734.529	
63 Cu	208.018360	1.345			490706.179	ug/L	119.336	
67 Zn	196.115583	0.871			19532.861	ug/L	2063.682	
66 Zn	198.918180	1.612			109121.177	ug/L	1399.314	
76 Se	225.628241	14.027			-147092.642	ug/L	-176616.770	
77 Se	136.942326	1.952			40953.652	ug/L	21684.459	
78 Se	195.175102	1.126			135524.190	ug/L	22421.699	
79 Br	-2860.702935	8.668			25502.789	ug/L	53642.215	
72 Ge					1181110.865	ug/L	1330397.647	
108 Cd	191.441104	1.806			31245.965	ug/L	4.705	
114 Cd	194.213450	1.640			1031669.950	ug/L	28.180	
109 Ag	55.668944	2.472			202886.819	ug/L	14.667	

Report Date/Time: Wednesday, June 21, 2006 13:42:09

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Sample ID: H64GWZ

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[> 115 In				1173315.911	ug/L	1274115.104
208 207.977	213.147110	3.043		2547836.372	ug/L	635.356
207 Pb	215.272579	2.706		1060837.623	ug/L	261.004
206 Pb	197.617437	2.826		1290289.329	ug/L	311.006
[> 169 Tm				713875.197	ug/L	730011.191
106 Pd	194.494332	0.330		40852.479	ug/L	7.000
83 Kr	2393.500361	86.757		1136.052	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	102.022
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	88.779
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	92.089
Pb	208	
[> Tm-1	169	97.790
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	88.779
Cd	108	
Cd	114	
Ag	109	
[> In	115	92.089
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	97.790
Pd	106	
Kr	83	

**Sample ID: H64G5**

Sample Description: G6F090224-2

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 13:44:25

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64G5.026

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 30

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1832191.486	ug/L	2040058.847	
6 Li-1					664093.545	ug/L	654365.843	
9 Be	0.019162	13.543			10.000	ug/L	2.000	
44 Ca	414.561037	0.633			196688.128	ug/L	22994.846	
51 V	4.288809	0.978			35.075	ug/L	-71518.709	
52 Cr	0.205884	13.197			55836.595	ug/L	58617.024	
55 Mn	14.960079	1.075			338216.328	ug/L	4308.062	
59 Co	0.467343	1.341			7724.742	ug/L	122.001	
60 Ni	1.424194	2.812			5105.466	ug/L	238.525	
65 Cu	14.002559	1.163			42584.844	ug/L	146.810	
68 Zn	3.232486	5.572			6248.898	ug/L	3085.879	
75 As	0.153059	70.374			18647.244	ug/L	20157.263	
82 Se	0.151075	120.250			1160.833	ug/L	1241.555	
97 Mo	0.975616	16.195			2017.903	ug/L	42.000	
72 Ge-1					1205071.747	ug/L	1330397.647	
107 Ag	0.028980	6.161			350.340	ug/L	49.000	
111 Cd	0.034673	8.261			85.396	ug/L	6.035	
135 Ba	3.479569	0.994			7053.509	ug/L	224.336	
115 In-1					1185928.551	ug/L	1274115.104	
208 Pb	0.886505	3.052			22170.271	ug/L	1207.366	
169 Tm-1					721522.141	ug/L	730011.191	
50 Cr	7.160149	3.815			745.596	ug/L	-1433.797	
53 Cr	-116.656631	2.323			62116.189	ug/L	234828.824	
61 Ni	3.368045	13.337			2665.136	ug/L	2734.529	
63 Cu	13.974484	1.012			33738.828	ug/L	119.336	
67 Zn	-6.259886	19.158			1292.935	ug/L	2063.682	
66 Zn	2.968244	7.056			2910.022	ug/L	1399.314	
76 Se	-21.118761	71.366			-160906.739	ug/L	-176616.770	
77 Se	-93.719505	0.844			4486.472	ug/L	21684.459	
78 Se	-2.173089	10.592			18995.815	ug/L	22421.699	
79 Br	-3173.075130	4.875			23539.519	ug/L	53642.215	
72 Ge					1205071.747	ug/L	1330397.647	
108 Cd	0.220478	6.616			40.760	ug/L	4.705	
114 Cd	0.025178	24.927			161.501	ug/L	28.180	
109 Ag	0.026680	24.371			112.002	ug/L	14.667	

[> 115 In			1185928.551	ug/L	1274115.104
208 207.977	0.912207	2.559	11650.085	ug/L	635.356
207 Pb	0.914336	4.205	4811.657	ug/L	261.004
206 Pb	0.818445	3.492	5708.529	ug/L	311.006
[> 169 Tm			721522.141	ug/L	730011.191
106 Pd	0.636487	10.375	140.668	ug/L	7.000
83 Kr	3780.846250	29.867	1062.045	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	101.487
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	90.580
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	93.079
Pb	208	
[> Tm-1	169	98.837
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	90.580
Cd	108	
Cd	114	
Ag	109	
[> In	115	93.079
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	98.837
Pd	106	
Kr	83	

**Sample ID: H64G6**

Sample Description: G6F090224-3

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 13:48:30

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset060621a1\H64G6.027

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 31

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1827453.599	ug/L	2040058.847	
6 Li-1					667986.301	ug/L	654365.843	
9 Be	0.005512	69.307			4.333	ug/L	2.000	
44 Ca	381.572314	1.686			184673.573	ug/L	22994.846	
51 V	4.162968	2.624			-1892.536	ug/L	-71518.709	
52 Cr	0.054265	82.855			54404.295	ug/L	58617.024	
55 Mn	7.807947	1.350			180324.238	ug/L	4308.062	
59 Co	0.248165	1.165			4199.007	ug/L	122.001	
60 Ni	1.112974	3.271			4080.594	ug/L	238.525	
65 Cu	21.669421	0.670			66545.448	ug/L	146.810	
68 Zn	2.733546	2.751			5778.241	ug/L	3085.879	
75 As	-0.007466	1241.237			18437.679	ug/L	20157.263	
82 Se	0.073587	373.033			1154.532	ug/L	1241.555	
97 Mo	0.482440	2.543			1028.060	ug/L	42.000	
72 Ge-1					1218200.746	ug/L	1330397.647	
107 Ag	0.019787	7.190			256.004	ug/L	49.000	
111 Cd	0.055797	0.345			135.229	ug/L	6.035	
135 Ba	2.396951	1.300			4968.077	ug/L	224.336	
115 In-1					1196604.180	ug/L	1274115.104	
208 Pb	0.899016	3.318			22625.831	ug/L	1207.366	
169 Tm-1					726625.099	ug/L	730011.191	
50 Cr	6.203236	4.823			477.707	ug/L	-1433.797	
53 Cr	-115.982820	2.400			63678.444	ug/L	234828.824	
61 Ni	3.419258	30.798			2697.164	ug/L	2734.529	
63 Cu	21.668055	0.763			52822.362	ug/L	119.336	
67 Zn	-6.241218	18.378			1308.942	ug/L	2063.682	
66 Zn	2.674097	8.206			2777.235	ug/L	1399.314	
76 Se	-46.208922	95.024			-163782.470	ug/L	-176616.770	
77 Se	-92.887843	1.083			4671.207	ug/L	21684.459	
78 Se	-2.857869	6.289			18784.189	ug/L	22421.699	
79 Br	-3258.848120	4.753			23113.731	ug/L	53642.215	
72 Ge					1218200.746	ug/L	1330397.647	
108 Cd	0.212127	19.177			39.758	ug/L	4.705	
114 Cd	0.045715	16.136			273.979	ug/L	28.180	
109 Ag	0.018537	6.614			82.668	ug/L	14.667	

[> 115 In				1196604.180	ug/L	1274115.104
208 207.977	0.936934	4.159		12032.607	ug/L	635.356
207 Pb	0.925241	3.887		4901.040	ug/L	261.004
206 Pb	0.809805	1.687		5692.184	ug/L	311.006
[> 169 Tm				726625.099	ug/L	730011.191
106 Pd	0.576171	9.744		128.001	ug/L	7.000
83 Kr	3180.916984	20.391		1094.048	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	102.081
Be	9	
[> Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	91.567
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	93.916
Pb	208	
[> Tm-1	169	99.536
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	91.567
Cd	108	
Cd	114	
Ag	109	
[> In	115	93.916
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	99.536
Pd	106	
Kr	83	

Sample ID: H64G7

Sample Description: G6F090224-4

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 13:52:36

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64G7.028

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 32

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

## Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1814169.066	ug/L	2040058.847	
6 Li-1					664535.770	ug/L	654365.843	
9 Be	0.008754	70.299			5.667	ug/L	2.000	
44 Ca	463.939968	3.915			216636.071	ug/L	22994.846	
51 V	4.289326	5.733			13.622	ug/L	-71518.709	
52 Cr	0.407212	30.562			58256.625	ug/L	58617.024	
55 Mn	9.883192	3.633			223734.065	ug/L	4308.062	
59 Co	0.305531	3.795			5064.799	ug/L	122.001	
60 Ni	1.328536	2.950			4756.226	ug/L	238.525	
65 Cu	14.996006	3.276			45390.125	ug/L	146.810	
68 Zn	3.940359	10.368			6969.443	ug/L	3085.879	
75 As	0.325219	59.254			19001.264	ug/L	20157.263	
82 Se	0.085467	283.434			1139.561	ug/L	1241.555	
97 Mo	0.429929	8.199			905.380	ug/L	42.000	
72 Ge-1					1200402.861	ug/L	1330397.647	
107 Ag	0.014455	6.580			194.335	ug/L	49.000	
111 Cd	0.038470	19.431			93.092	ug/L	6.035	
135 Ba	3.347352	4.352			6682.551	ug/L	224.336	
115 In-1					1167795.787	ug/L	1274115.104	
208 Pb	1.031107	5.712			25161.108	ug/L	1207.366	
169 Tm-1					710143.300	ug/L	730011.191	
50 Cr	7.291460	5.366			777.778	ug/L	-1433.797	
53 Cr	-113.963962	2.990			65347.443	ug/L	234828.824	
61 Ni	2.913932	49.542			2630.442	ug/L	2734.529	
63 Cu	15.067952	2.812			36209.583	ug/L	119.336	
67 Zn	-5.567497	8.147			1350.959	ug/L	2063.682	
66 Zn	3.837988	7.445			3375.155	ug/L	1399.314	
76 Se	-34.963482	112.553			-160922.087	ug/L	-176616.770	
77 Se	-92.129643	0.943			4725.895	ug/L	21684.459	
78 Se	-1.974913	40.388			19031.879	ug/L	22421.699	
79 Br	-3228.586892	4.317			23000.502	ug/L	53642.215	
72 Ge					1200402.861	ug/L	1330397.647	
108 Cd	0.291340	46.465			51.166	ug/L	4.705	
114 Cd	0.026471	16.840			165.366	ug/L	28.180	
109 Ag	0.013344	19.217			61.667	ug/L	14.667	

L>	115	In		1167795.787	ug/L	1274115.104
	208	207.977	1.063676	7.228	13247.695	ug/L
	207	Pb	1.068574	3.595	5489.055	ug/L
	206	Pb	0.943204	4.535	6424.358	ug/L
L>	169	Tm			710143.300	ug/L
	106	Pd	0.706327	10.538	155.335	ug/L
	83	Kr	3580.871196	10.785	1072.713	ug/L
						730011.191
						7.000
						1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45		
>	Li-1	6	101.554
	Be	9	
>	Ca	44	
	V	51	
>	Cr	52	
	Mn	55	
>	Co	59	
	Ni	60	
>	Cu	65	
	Zn	68	
>	As	75	
	Se	82	
>	Mo	97	
L>	Ge-1	72	90.229
>	Ag	107	
	Cd	111	
>	Ba	135	
>	In-1	115	91.655
>	Pb	208	
>	Tm-1	169	97.278
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	90.229
>	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	91.655
>	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	97.278
	Pd	106	
	Kr	83	

**Sample ID: H64G8**

Sample Description: G6F090224-5

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 13:56:41

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64G8.029

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 33

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1841930.841	ug/L	2040058.847
6 Li-1			671395.848	ug/L	654365.843
9 Be	0.016546	30.213	9.000	ug/L	2.000
44 Ca	464.907014	0.344	221346.047	ug/L	22994.846
51 V	4.218314	2.273	-1045.094	ug/L	-71518.709
52 Cr	0.145786	67.053	55864.805	ug/L	58617.024
55 Mn	9.382768	0.347	216820.970	ug/L	4308.062
59 Co	0.272390	2.367	4616.885	ug/L	122.001
60 Ni	1.081910	1.180	3990.126	ug/L	238.525
65 Cu	14.628503	0.302	45156.592	ug/L	146.810
68 Zn	2.501064	8.956	5551.430	ug/L	3085.879
75 As	0.051541	112.815	18667.946	ug/L	20157.263
82 Se	0.218327	110.437	1194.722	ug/L	1241.555
97 Mo	0.398934	2.555	860.376	ug/L	42.000
72 Ge-1			1223330.838	ug/L	1330397.647
107 Ag	0.011429	28.115	165.668	ug/L	49.000
111 Cd	0.037008	17.208	90.697	ug/L	6.035
135 Ba	3.111267	1.487	6322.284	ug/L	224.336
115 In-1			1184623.580	ug/L	1274115.104
208 Pb	0.893477	1.084	22056.195	ug/L	1207.366
169 Tm-1			712364.727	ug/L	730011.191
50 Cr	7.101677	1.805	740.047	ug/L	-1433.797
53 Cr	-113.648552	3.119	66977.036	ug/L	234828.824
61 Ni	2.424826	53.071	2651.792	ug/L	2734.529
63 Cu	14.633138	0.827	35858.224	ug/L	119.336
67 Zn	-7.327724	11.676	1212.236	ug/L	2063.682
66 Zn	2.319313	7.352	2590.074	ug/L	1399.314
76 Se	-62.408791	37.751	-165184.203	ug/L	-176616.770
77 Se	-90.416449	1.437	5095.706	ug/L	21684.459
78 Se	-2.154072	18.491	19295.031	ug/L	22421.699
79 Br	-3367.789252	4.834	22328.962	ug/L	53642.215
72 Ge			1223330.838	ug/L	1330397.647
108 Cd	0.200004	5.067	37.340	ug/L	4.705
114 Cd	0.023213	23.535	150.727	ug/L	28.180
109 Ag	0.006529	2.262	37.667	ug/L	14.667

[> 115 In				1184623.580	ug/L	1274115.104
208 207.977	0.923979	0.872		11644.410	ug/L	635.356
207 Pb	0.917189	1.798		4765.965	ug/L	261.004
206 Pb	0.819737	1.507		5645.821	ug/L	311.006
[> 169 Tm				712364.727	ug/L	730011.191
106 Pd	0.571410	11.547		127.001	ug/L	7.000
83 Kr	3424.639292	11.856		1081.047	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	102.603
Be	9	
[> Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	91.952
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	92.976
Pb	208	
[> Tm-1	169	97.583
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	91.952
Cd	108	
Cd	114	
Ag	109	
[> In	115	92.976
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	97.583
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

**Sample ID: CCV 3**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 14:00:48

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\CCV 3.030

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1840850.154	ug/L	2040058.847
6 Li-1			684650.022	ug/L	654365.843
9 Be	98.700329	1.413	42350.924	ug/L	2.000
44 Ca	5095.533279	0.948	2177911.892	ug/L	22994.846
51 V	103.825076	1.115	1501193.654	ug/L	-71518.709
52 Cr	102.492706	0.582	1414836.004	ug/L	58617.024
55 Mn	101.444195	0.951	2266213.212	ug/L	4308.062
59 Co	99.521447	0.226	1618265.789	ug/L	122.001
60 Ni	98.624758	0.625	338123.112	ug/L	238.525
65 Cu	97.561794	0.313	295313.619	ug/L	146.810
68 Zn	98.284092	0.616	107592.812	ug/L	3085.879
75 As	99.698231	0.890	271155.122	ug/L	20157.263
82 Se	98.262843	1.053	24611.921	ug/L	1241.555
97 Mo	200.013744	1.139	405016.065	ug/L	42.000
72 Ge-1			1202627.554	ug/L	1330397.647
107 Ag	50.678372	1.425	516448.355	ug/L	49.000
111 Cd	100.246040	1.079	223578.287	ug/L	6.035
135 Ba	98.895159	1.365	188729.749	ug/L	224.336
115 In-1			1149359.969	ug/L	1274115.104
208 Pb	104.150027	0.658	2378215.179	ug/L	1207.366
169 Tm-1			695802.338	ug/L	730011.191
50 Cr	110.045220	0.604	30058.191	ug/L	-1433.797
53 Cr	94.542922	5.243	334069.537	ug/L	234828.824
61 Ni	96.699731	3.104	7863.884	ug/L	2734.529
63 Cu	97.153351	1.546	233428.088	ug/L	119.336
67 Zn	99.114711	1.431	10974.572	ug/L	2063.682
66 Zn	97.228220	0.971	54961.453	ug/L	1399.314
76 Se	84.053388	28.305	-155972.002	ug/L	-176616.770
77 Se	87.791068	3.009	33768.889	ug/L	21684.459
78 Se	98.095390	0.494	79441.900	ug/L	22421.699
79 Br	142.647781	114.411	49615.658	ug/L	53642.215
72 Ge			1202627.554	ug/L	1330397.647
108 Cd	100.094037	1.821	16007.210	ug/L	4.705
114 Cd	100.716120	0.663	524188.789	ug/L	28.180
109 Ag	49.590028	0.871	177083.897	ug/L	14.667

[> 115	In			1149359.969	ug/L	1274115.104
208	207.977	104.091399	0.562	1213698.903	ug/L	635.356
207	Pb	104.567910	2.026	502578.457	ug/L	261.004
206	Pb	103.941976	1.020	661937.820	ug/L	311.006
[> 169	Tm			695802.338	ug/L	730011.191
106	Pd	95.825283	0.622	20131.132	ug/L	7.000
83	Kr	2980.937004	51.940	1104.716	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	104.628
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	90.396
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	90.208
Pb	208	
[> Tm-1	169	95.314
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	90.396
Cd	108	
Cd	114	
Ag	109	
[> In	115	90.208
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	95.314
Pd	106	
Kr	83	

**Sample ID: CCB 3**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 14:04:57

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\CCB 3.031

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1854997.919	ug/L	2040058.847	
6 Li-1					690117.924	ug/L	654365.843	
9 Be	0.004425	159.588			4.000	ug/L	2.000	
44 Ca	-4.888350	19.968			18915.425	ug/L	22994.846	
51 V	1.669386	6.067			-39889.692	ug/L	-71518.709	
52 Cr	-0.451820	16.375			47481.147	ug/L	58617.024	
55 Mn	-0.013256	28.249			3637.423	ug/L	4308.062	
59 Co	0.004418	31.130			184.002	ug/L	122.001	
60 Ni	0.001468	429.870			222.970	ug/L	238.525	
65 Cu	0.003394	74.711			144.618	ug/L	146.810	
68 Zn	3.483145	85.970			6590.899	ug/L	3085.879	
75 As	-0.310688	99.792			17617.759	ug/L	20157.263	
82 Se	-0.008799	2406.408			1131.833	ug/L	1241.555	
97 Mo	0.693749	24.273			1456.792	ug/L	42.000	
72 Ge-1					1215652.369	ug/L	1330397.647	
107 Ag	0.017438	18.240			225.670	ug/L	49.000	
111 Cd	0.004585	34.264			15.943	ug/L	6.035	
135 Ba	0.004004	31.771			213.669	ug/L	224.336	
115 In-1					1169285.557	ug/L	1274115.104	
208 Pb	-0.006604	32.498			1010.689	ug/L	1207.366	
169 Tm-1					703281.300	ug/L	730011.191	
50 Cr	0.859056	20.896			-1062.160	ug/L	-1433.797	
53 Cr	-32.741706	9.544			171899.022	ug/L	234828.824	
61 Ni	2.820926	30.833			2657.129	ug/L	2734.529	
63 Cu	0.001965	254.358			113.669	ug/L	119.336	
67 Zn	2.810990	64.675			2147.408	ug/L	2063.682	
66 Zn	3.392003	85.344			3180.577	ug/L	1399.314	
76 Se	-44.783882	54.228			-163381.034	ug/L	-176616.770	
77 Se	-30.993812	6.885			14754.370	ug/L	21684.459	
78 Se	-2.288146	15.238			19090.069	ug/L	22421.699	
79 Br	219.164509	78.182			50747.823	ug/L	53642.215	
72 Ge					1215652.369	ug/L	1330397.647	
108 Cd	0.030052	38.724			9.199	ug/L	4.705	
114 Cd	0.004847	28.002			51.542	ug/L	28.180	
109 Ag	0.018166	18.455			79.334	ug/L	14.667	

[> 115 In				1169285.557	ug/L	1274115.104
208 207.977	-0.007338	14.735		525.682	ug/L	635.356
207 Pb	-0.007878	48.788		213.336	ug/L	261.004
206 Pb	-0.004300	114.697		271.671	ug/L	311.006
[> 169 Tm				703281.300	ug/L	730011.191
106 Pd	-0.011111	65.465		4.667	ug/L	7.000
83 Kr	3437.136805	27.546		1080.380	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	105.464
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	91.375
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	91.772
Pb	208	
[> Tm-1	169	96.338
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	91.375
Cd	108	
Cd	114	
Ag	109	
[> In	115	91.772
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	96.338
Pd	106	
Kr	83	

**Sample ID: CCV 4**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 14:09:05

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\CCV 4.032

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1837100.700	ug/L	2040058.847	
6 Li-1					690208.339	ug/L	654365.843	
9 Be	97.924875	0.856			42363.984	ug/L	2.000	
44 Ca	5111.274184	0.290	2179825.797		ug/L	22994.846		
51 V	102.877357	1.010	1483636.936		ug/L	-71518.709		
52 Cr	101.962027	0.123	1404726.854		ug/L	58617.024		
55 Mn	101.709849	0.754	2267299.179		ug/L	4308.062		
59 Co	99.702490	0.596	1617630.184		ug/L	122.001		
60 Ni	98.504229	0.390	336965.112		ug/L	238.525		
65 Cu	97.668008	0.453	294981.922		ug/L	146.810		
68 Zn	108.554625	2.638	118286.544		ug/L	3085.879		
75 As	99.521416	0.705	270113.138		ug/L	20157.263		
82 Se	98.138814	0.794	24529.901		ug/L	1241.555		
97 Mo	200.283184	0.921	404678.399		ug/L	42.000		
72 Ge-1			1199986.011		ug/L	1330397.647		
107 Ag	50.315741	1.296	508408.773		ug/L	49.000		
111 Cd	100.502466	0.640	222258.573		ug/L	6.035		
135 Ba	99.510718	1.736	188288.722		ug/L	224.336		
115 In-1			1139647.757		ug/L	1274115.104		
208 Pb	103.154458	0.222	2360634.948		ug/L	1207.366		
169 Tm-1			697303.509		ug/L	730011.191		
50 Cr	103.472556	0.695	28124.922		ug/L	-1433.797		
53 Cr	93.213793	4.429	331656.597		ug/L	234828.824		
61 Ni	98.239513	1.999	7933.058		ug/L	2734.529		
63 Cu	98.023096	0.167	235014.417		ug/L	119.336		
67 Zn	106.818098	3.524	11657.720		ug/L	2063.682		
66 Zn	107.661561	2.674	60592.060		ug/L	1399.314		
76 Se	89.047261	6.577	-155408.335		ug/L	-176616.770		
77 Se	86.602484	1.472	33505.182		ug/L	21684.459		
78 Se	98.669991	1.324	79611.144		ug/L	22421.699		
79 Br	31.735860	206.993	48635.786		ug/L	53642.215		
72 Ge			1199986.011		ug/L	1330397.647		
108 Cd	100.111105	1.700	15874.298		ug/L	4.705		
114 Cd	101.421803	0.912	523378.325		ug/L	28.180		
109 Ag	49.752799	2.776	176140.429		ug/L	14.667		

[> 115 In				1139647.757	ug/L	1274115.104
208 207.977	102.955814	0.269		1203055.442	ug/L	635.356
207 Pb	102.847117	0.668		495422.317	ug/L	261.004
206 Pb	103.750087	0.494		662157.188	ug/L	311.006
[> 169 Tm				697303.509	ug/L	730011.191
106 Pd	95.615288	0.843		20087.031	ug/L	7.000
83 Kr	3293.401632	44.340		1088.048	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	105.477
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	90.198
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	89.446
Pb	208	
[> Tm-1	169	95.520
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	90.198
Cd	108	
Cd	114	
Ag	109	
[> In	115	89.446
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	95.520
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

**Sample ID: CCB 4**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 14:13:14

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\CCB 4.033

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1866470.326	ug/L	2040058.847	
6 Li-1					696710.273	ug/L	654365.843	
9 Be	0.003535	77.138			3.667	ug/L	2.000	
44 Ca	-6.024693	6.105			18459.119	ug/L	22994.846	
51 V	1.611413	4.436			-40842.086	ug/L	-71518.709	
52 Cr	-0.513728	4.850			46724.088	ug/L	58617.024	
55 Mn	-0.019301	14.983			3506.369	ug/L	4308.062	
59 Co	0.005913	16.813			209.003	ug/L	122.001	
60 Ni	-0.002260	102.872			210.429	ug/L	238.525	
65 Cu	0.004048	171.738			146.775	ug/L	146.810	
68 Zn	0.096745	139.021			2927.490	ug/L	3085.879	
75 As	-0.266655	35.342			17759.843	ug/L	20157.263	
82 Se	0.113101	188.650			1163.205	ug/L	1241.555	
97 Mo	0.734490	19.203			1544.806	ug/L	42.000	
72 Ge-1					1217310.797	ug/L	1330397.647	
107 Ag	0.018543	3.187			240.670	ug/L	49.000	
111 Cd	0.004622	36.157			16.272	ug/L	6.035	
135 Ba	0.009890	38.325			228.336	ug/L	224.336	
115 In-1					1186250.080	ug/L	1274115.104	
208 Pb	-0.008155	24.999			989.355	ug/L	1207.366	
169 Tm-1					713805.074	ug/L	730011.191	
50 Cr	0.955925	4.888			-1036.179	ug/L	-1433.797	
53 Cr	-33.285343	2.689			171464.490	ug/L	234828.824	
61 Ni	3.606615	63.524			2705.840	ug/L	2734.529	
63 Cu	0.001836	183.849			113.669	ug/L	119.336	
67 Zn	-0.307744	292.168			1859.888	ug/L	2063.682	
66 Zn	0.117439	172.479			1345.624	ug/L	1399.314	
76 Se	-27.254217	49.289			-162814.619	ug/L	-176616.770	
77 Se	-33.335359	1.104			14395.618	ug/L	21684.459	
78 Se	-2.325885	9.707			19095.118	ug/L	22421.699	
79 Br	194.113083	44.617			50633.032	ug/L	53642.215	
72 Ge					1217310.797	ug/L	1330397.647	
108 Cd	0.010332	389.451			6.064	ug/L	4.705	
114 Cd	0.008392	23.955			71.345	ug/L	28.180	
109 Ag	0.020548	25.874			89.335	ug/L	14.667	

> 115 In				1186250.080	ug/L	1274115.104
208 207.977	-0.008646	22.437		517.682	ug/L	635.356
207 Pb	-0.010637	53.403		202.669	ug/L	261.004
206 Pb	-0.005382	36.002		269.004	ug/L	311.006
> 169 Tm				713805.074	ug/L	730011.191
106 Pd	-0.007936	91.652		5.333	ug/L	7.000
83 Kr	3668.361097	7.868		1068.046	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc 45

|> Li-1 6 106.471

| Be 9

| Ca 44

| V 51

| Cr 52

| Mn 55

| Co 59

| Ni 60

| Cu 65

| Zn 68

| As 75

| Se 82

| Mo 97

|> Ge-1 72 91.500

| Ag 107

| Cd 111

| Ba 135

|> In-1 115 93.104

| Pb 208

|> Tm-1 169 97.780

| Cr 50

| Cr 53

| Ni 61

| Cu 63

| Zn 67

| Zn 66

| Se 76

| Se 77

| Se 78

| Br 79

|> Ge 72 91.500

| Cd 108

| Cd 114

| Ag 109

|> In 115 93.104

| 207.977 208

| Pb 207

| Pb 206

|> Tm 169 97.780

Pd 106

Kr 83

SOP No. SAC-MT-0001

BJones

**Sample ID: H64G9**

Sample Description: G6F090224-6

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 14:17:22

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64G9.034

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 34

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

### Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1893823.549	ug/L	2040058.847
6 Li-1			673249.943	ug/L	654365.843
9 Be	0.016438	13.114	9.000	ug/L	2.000
44 Ca	487.881584	0.651	231865.598	ug/L	22994.846
51 V	4.269946	2.108	-256.892	ug/L	-71518.709
52 Cr	0.338442	18.590	58629.442	ug/L	58617.024
55 Mn	12.059443	1.504	278277.633	ug/L	4308.062
59 Co	0.344963	0.702	5833.277	ug/L	122.001
60 Ni	1.465714	2.299	5341.785	ug/L	238.525
65 Cu	17.662741	0.541	54642.585	ug/L	146.810
68 Zn	2.783055	0.422	5872.303	ug/L	3085.879
75 As	0.256342	57.381	19247.335	ug/L	20157.263
82 Se	0.189329	292.138	1190.285	ug/L	1241.555
97 Mo	0.512750	7.485	1097.402	ug/L	42.000
72 Ge-1			1226660.774	ug/L	1330397.647
107 Ag	0.014353	8.903	200.669	ug/L	49.000
111 Cd	0.025729	28.927	66.282	ug/L	6.035
135 Ba	3.506521	1.482	7259.010	ug/L	224.336
115 In-1			1211491.384	ug/L	1274115.104
208 Pb	0.827691	3.235	21064.498	ug/L	1207.366
169 Tm-1			731491.076	ug/L	730011.191
50 Cr	7.199487	3.985	770.047	ug/L	-1433.797
53 Cr	-113.596574	2.306	67230.627	ug/L	234828.824
61 Ni	1.837434	94.086	2625.436	ug/L	2734.529
63 Cu	17.911368	1.172	43985.396	ug/L	119.336
67 Zn	-6.876903	18.795	1257.588	ug/L	2063.682
66 Zn	2.762749	2.262	2846.630	ug/L	1399.314
76 Se	-9.881527	173.778	-163288.488	ug/L	-176616.770
77 Se	-90.707539	1.061	5062.025	ug/L	21684.459
78 Se	-1.415173	26.752	19801.650	ug/L	22421.699
79 Br	-3332.624074	4.787	22672.578	ug/L	53642.215
72 Ge			1226660.774	ug/L	1330397.647
108 Cd	0.307771	14.008	56.290	ug/L	4.705
114 Cd	0.020810	35.840	140.670	ug/L	28.180
109 Ag	0.010484	29.015	53.334	ug/L	14.667

[> 115 In				1211491.384	ug/L	1274115.104
208 207.977	0.845959	5.025		10996.578	ug/L	635.356
207 Pb	0.854131	0.396		4575.530	ug/L	261.004
206 Pb	0.774294	2.797		5492.390	ug/L	311.006
[> 169 Tm				731491.076	ug/L	730011.191
106 Pd	0.642836	17.977		142.001	ug/L	7.000
83 Kr	3318.396809	56.376		1086.714	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	102.886
Be	9	
[> Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	92.203
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	95.085
Pb	208	
[> Tm-1	169	100.203
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	92.203
Cd	108	
Cd	114	
Ag	109	
[> In	115	95.085
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	100.203
Pd	106	
Kr	83	

**Sample ID: H64HA**

Sample Description: G6F090224-7

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 14:21:29

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64HA.035

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 35

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1872835.831	ug/L	2040058.847
6 Li-1			670986.794	ug/L	654365.843
9 Be	0.007041	36.255	5.000	ug/L	2.000
44 Ca	388.857530	1.274	190116.859	ug/L	22994.846
51 V	3.997010	2.126	-4475.660	ug/L	-71518.709
52 Cr	0.438914	4.777	60312.155	ug/L	58617.024
55 Mn	9.449577	1.356	220079.246	ug/L	4308.062
59 Co	0.258891	2.793	4428.788	ug/L	122.001
60 Ni	1.091780	1.557	4056.395	ug/L	238.525
65 Cu	15.829745	0.717	49244.395	ug/L	146.810
68 Zn	2.580190	7.418	5680.511	ug/L	3085.879
75 As	0.129996	63.158	19022.067	ug/L	20157.263
82 Se	-0.112074	82.947	1123.415	ug/L	1241.555
97 Mo	0.388277	2.574	845.041	ug/L	42.000
72 Ge-1			1233152.333	ug/L	1330397.647
107 Ag	0.011527	7.580	169.668	ug/L	49.000
111 Cd	0.025751	30.764	66.072	ug/L	6.035
135 Ba	2.598067	1.853	5411.340	ug/L	224.336
115 In-1			1206523.671	ug/L	1274115.104
208 Pb	0.815807	2.751	20834.357	ug/L	1207.366
169 Tm-1			733395.152	ug/L	730011.191
50 Cr	6.355689	1.623	528.036	ug/L	-1433.797
53 Cr	-111.076959	2.814	70933.709	ug/L	234828.824
61 Ni	4.309129	38.419	2780.570	ug/L	2734.529
63 Cu	15.887947	1.391	39234.769	ug/L	119.336
67 Zn	-6.351199	7.673	1314.277	ug/L	2063.682
66 Zn	2.699215	4.849	2825.277	ug/L	1399.314
76 Se	-33.935646	93.089	-165239.867	ug/L	-176616.770
77 Se	-90.137288	1.262	5183.742	ug/L	21684.459
78 Se	-1.980707	16.152	19556.973	ug/L	22421.699
79 Br	-3417.690677	4.746	22110.585	ug/L	53642.215
72 Ge			1233152.333	ug/L	1330397.647
108 Cd	0.241128	10.211	44.920	ug/L	4.705
114 Cd	0.018252	24.748	126.463	ug/L	28.180
109 Ag	0.009275	9.204	48.667	ug/L	14.667

[> 115 In				1206523.671	ug/L	1274115.104
208 207.977	0.843766	3.044		10999.911	ug/L	635.356
207 Pb	0.844965	3.270		4540.845	ug/L	261.004
206 Pb	0.742615	2.902		5293.601	ug/L	311.006
[> 169 Tm				733395.152	ug/L	730011.191
106 Pd	0.563473	19.644		125.334	ug/L	7.000
83 Kr	3549.623253	31.577		1074.380	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Analyte	Mass	Int Std	% Recovery
Sc	45		

Li-1 6 102.540

Be 9

Ca 44

V 51

Cr 52

Mn 55

Co 59

Ni 60

Cu 65

Zn 68

As 75

Se 82

Mo 97

[> Ge-1 72 92.691

Ag 107

Cd 111

Ba 135

[> In-1 115 94.695

Pb 208

[> Tm-1 169 100.464

Cr 50

Cr 53

Ni 61

Cu 63

Zn 67

Zn 66

Se 76

Se 77

Se 78

Br 79

[> Ge 72 92.691

Cd 108

Cd 114

Ag 109

[> In 115 94.695

207.977 208

Pb 207

Pb 206

[> Tm 169 100.464

Pd 106

Kr 83

**Sample ID: H64HC**

Sample Description: G6F090224-8

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 14:25:36

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64HC.036

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 36

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1881632.881	ug/L	2040058.847	
6 Li-1					665833.913	ug/L	654365.843	
9 Be	-0.002452	171.288			1.000	ug/L	2.000	
44 Ca	212.467762		0.458		114246.344	ug/L	22994.846	
51 V	3.598820		1.864		-10700.114	ug/L	-71518.709	
52 Cr	0.542565		12.044		62104.975	ug/L	58617.024	
55 Mn	1.622725		1.592		41354.838	ug/L	4308.062	
59 Co	0.207172		1.515		3589.069	ug/L	122.001	
60 Ni	1.052647		0.888		3943.498	ug/L	238.525	
65 Cu	1.104644		2.366		3584.993	ug/L	146.810	
68 Zn	1.535708		9.153		4567.860	ug/L	3085.879	
75 As	0.118061		141.527		19107.527	ug/L	20157.263	
82 Se	-0.117035		285.047		1129.071	ug/L	1241.555	
97 Mo	0.333560		2.918		736.031	ug/L	42.000	
72 Ge-1					1240782.074	ug/L	1330397.647	
107 Ag	0.003312		49.365		83.334	ug/L	49.000	
111 Cd	0.010516		12.633		30.863	ug/L	6.035	
135 Ba	0.504796		3.883		1244.422	ug/L	224.336	
115 In-1					1227970.673	ug/L	1274115.104	
208 Pb	0.148495		0.621		4743.167	ug/L	1207.366	
169 Tm-1					726940.324	ug/L	730011.191	
50 Cr	4.840793		3.614		85.937	ug/L	-1433.797	
53 Cr	-110.088693		3.277		72672.654	ug/L	234828.824	
61 Ni	3.790053		48.635		2768.561	ug/L	2734.529	
63 Cu	1.125615		2.112		2900.346	ug/L	119.336	
67 Zn	-7.430442		14.169		1219.906	ug/L	2063.682	
66 Zn	1.588062		8.070		2210.115	ug/L	1399.314	
76 Se	-14.712668		203.899		-165388.011	ug/L	-176616.770	
77 Se	-89.719829		0.441		5285.117	ug/L	21684.459	
78 Se	-1.934569		0.636		19707.330	ug/L	22421.699	
79 Br	-3574.196409		5.007		20971.963	ug/L	53642.215	
72 Ge					1240782.074	ug/L	1330397.647	
108 Cd	0.177348		19.260		34.856	ug/L	4.705	
114 Cd	0.003838		63.562		48.559	ug/L	28.180	
109 Ag	0.003456		63.815		27.333	ug/L	14.667	

[> 115 In				1227970.673	ug/L	1274115.104
208 207.977	0.152908	1.829		2494.356	ug/L	635.356
207 Pb	0.158149	1.434		1053.730	ug/L	261.004
206 Pb	0.133129	1.242		1195.082	ug/L	311.006
[> 169 Tm				726940.324	ug/L	730011.191
106 Pd	0.420620	4.286		95.334	ug/L	7.000
83 Kr	3418.382597	67.848		1081.381	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	101.753
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	93.264
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	96.378
Pb	208	
[> Tm-1	169	99.579
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	93.264
Cd	108	
Cd	114	
Ag	109	
[> In	115	96.378
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	99.579
Pd	106	
Kr	83	

**Sample ID: H64HD**

Sample Description: G6F090224-9

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 14:29:44

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64HD.037

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 37

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1891734.661	ug/L	2040058.847
6 Li-1			669527.748	ug/L	654365.843
9 Be	0.016550	80.867	9.000	ug/L	2.000
44 Ca	780.609539	0.834	359501.220	ug/L	22994.846
51 V	4.789850	1.406	7774.782	ug/L	-71518.709
52 Cr	0.766896	12.781	64665.154	ug/L	58617.024
55 Mn	27.630432	1.276	634655.077	ug/L	4308.062
59 Co	0.924794	0.709	15502.722	ug/L	122.001
60 Ni	1.566393	0.693	5713.807	ug/L	238.525
65 Cu	128.497505	0.746	398047.537	ug/L	146.810
68 Zn	5.955078	1.413	9354.999	ug/L	3085.879
75 As	0.421040	33.529	19742.596	ug/L	20157.263
82 Se	0.083911	307.639	1169.410	ug/L	1241.555
97 Mo	0.424771	4.071	919.048	ug/L	42.000
72 Ge-1			1230910.143	ug/L	1330397.647
107 Ag	0.056913	1.363	655.358	ug/L	49.000
111 Cd	0.053663	23.366	131.263	ug/L	6.035
135 Ba	7.436868	0.982	15097.681	ug/L	224.336
115 In-1			1206749.194	ug/L	1274115.104
208 Pb	1.522396	1.058	37646.332	ug/L	1207.366
169 Tm-1			729757.894	ug/L	730011.191
50 Cr	9.575579	18.373	1468.035	ug/L	-1433.797
53 Cr	-110.542464	3.123	71510.171	ug/L	234828.824
61 Ni	4.421323	43.552	2782.907	ug/L	2734.529
63 Cu	126.765717	0.512	311722.447	ug/L	119.336
67 Zn	-3.047369	31.896	1622.755	ug/L	2063.682
66 Zn	5.675291	3.012	4503.244	ug/L	1399.314
76 Se	-21.248152	111.178	-164365.797	ug/L	-176616.770
77 Se	-89.860587	2.160	5220.093	ug/L	21684.459
78 Se	-1.876981	23.107	19584.935	ug/L	22421.699
79 Br	-3283.764155	4.451	23152.128	ug/L	53642.215
72 Ge			1230910.143	ug/L	1330397.647
108 Cd	0.159758	92.399	31.359	ug/L	4.705
114 Cd	0.037904	7.627	233.876	ug/L	28.180
109 Ag	0.055681	3.360	222.675	ug/L	14.667

[> 115 In				1206749.194	ug/L	1274115.104
208 207.977	1.575112	1.884		19885.574	ug/L	635.356
207 Pb	1.543537	2.642		8037.024	ug/L	261.004
206 Pb	1.409927	0.671		9723.734	ug/L	311.006
[> 169 Tm				729757.894	ug/L	730011.191
106 Pd	0.925370	9.353		201.336	ug/L	7.000
83 Kr	3293.404568	7.908		1088.047	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	102.317
Be	9	
[> Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	92.522
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	94.713
Pb	208	
[> Tm-1	169	99.965
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	92.522
Cd	108	
Cd	114	
Ag	109	
[> In	115	94.713
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	99.965
Pd	106	
Kr	83	

**Sample ID: H64HG**

Sample Description: G6F090224-10

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 14:33:53

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64HG.038

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 38

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1876835.688		ug/L	2040058.847
6 Li-1					683721.118		ug/L	654365.843
9 Be	0.023144	56.189			12.000		ug/L	2.000
44 Ca	783.413285	1.179	783.413285		360236.921		ug/L	22994.846
51 V	5.038730	1.407			11596.640		ug/L	-71518.709
52 Cr	0.769874	7.732			64618.090		ug/L	58617.024
55 Mn	35.203512	0.038			806478.229		ug/L	4308.062
59 Co	0.641769	1.070			10778.301		ug/L	122.001
60 Ni	1.570287	1.880			5719.399		ug/L	238.525
65 Cu	98.539850	1.162			304870.803		ug/L	146.810
68 Zn	6.265050	2.570			9679.351		ug/L	3085.879
75 As	0.301450	47.373			19407.748		ug/L	20157.263
82 Se	0.049752	314.345			1159.493		ug/L	1241.555
97 Mo	0.372233	4.762			809.371		ug/L	42.000
72 Ge-1					1229265.416		ug/L	1330397.647
107 Ag	0.053910	5.149			626.356		ug/L	49.000
111 Cd	0.103043	9.342			248.070		ug/L	6.035
135 Ba	9.594161	0.965			19507.722		ug/L	224.336
115 In-1					1212476.030		ug/L	1274115.104
208 Pb	1.527066	3.342			37713.366		ug/L	1207.366
169 Tm-1					729029.711		ug/L	730011.191
50 Cr	12.167277	4.331			2219.240		ug/L	-1433.797
53 Cr	-111.328290	2.878			70390.122		ug/L	234828.824
61 Ni	3.192664	27.973			2708.507		ug/L	2734.529
63 Cu	97.651295	0.869			239828.143		ug/L	119.336
67 Zn	-3.689868	16.881			1560.390		ug/L	2063.682
66 Zn	5.968767	2.252			4662.142		ug/L	1399.314
76 Se	-28.428761	70.909			-164463.562		ug/L	-176616.770
77 Se	-90.250650	1.286			5149.061		ug/L	21684.459
78 Se	-2.107515	3.805			19417.639		ug/L	22421.699
79 Br	-3283.334842	3.893			23126.074		ug/L	53642.215
72 Ge					1229265.416		ug/L	1330397.647
108 Cd	0.223963	34.440			42.323		ug/L	4.705
114 Cd	0.087236	8.120			505.822		ug/L	28.180
109 Ag	0.051511	4.726			208.007		ug/L	14.667

[> 115 In				1212476.030	ug/L	1274115.104
208 207.977	1.549302	1.891		19549.817	ug/L	635.356
207 Pb	1.554944	2.790		8086.402	ug/L	261.004
206 Pb	1.465316	7.693		10077.147	ug/L	311.006
[> 169 Tm				729029.711	ug/L	730011.191
106 Pd	1.088859	1.336		235.670	ug/L	7.000
83 Kr	2449.749757	23.576		1133.051	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Analyte	Mass	Int Std	% Recovery
Sc	45		

[> Li-1 6 104.486

[ Be 9

[ Ca 44

[ V 51

[ Cr 52

[ Mn 55

[ Co 59

[ Ni 60

[ Cu 65

[ Zn 68

[ As 75

[ Se 82

[ Mo 97

[> Ge-1 72 92.398

[ Ag 107

[ Cd 111

[ Ba 135

[> In-1 115 95.162

[ Pb 208

[> Tm-1 169 99.866

[ Cr 50

[ Cr 53

[ Ni 61

[ Cu 63

[ Zn 67

[ Zn 66

[ Se 76

[ Se 77

[ Se 78

[ Br 79

[> Ge 72 92.398

[ Cd 108

[ Cd 114

[ Ag 109

[> In 115 95.162

[ 207.977 208

[ Pb 207

[ Pb 206

[> Tm 169 99.866

[ Pd 106

[ Kr 83

**Sample ID: H64HH**

Sample Description: G6F090224-11

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 14:38:01

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64HH.039

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 39

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1898442.823	ug/L	2040058.847
6 Li-1			693785.945	ug/L	654365.843
9 Be	0.015758	56.880	9.000	ug/L	2.000
44 Ca	595.857751	0.790	281585.921	ug/L	22994.846
51 V	4.551994	0.532	4129.103	ug/L	-71518.709
52 Cr	0.502578	8.997	61533.961	ug/L	58617.024
55 Mn	14.398241	0.248	335177.339	ug/L	4308.062
59 Co	0.556311	0.906	9442.092	ug/L	122.001
60 Ni	1.291506	1.998	4785.726	ug/L	238.525
65 Cu	108.681548	0.972	339257.195	ug/L	146.810
68 Zn	5.317766	2.508	8724.681	ug/L	3085.879
75 As	0.242327	9.956	19425.958	ug/L	20157.263
82 Se	0.004025	2767.544	1158.483	ug/L	1241.555
97 Mo	0.381768	0.331	836.373	ug/L	42.000
72 Ge-1			1240277.184	ug/L	1330397.647
107 Ag	0.049181	7.388	581.019	ug/L	49.000
111 Cd	0.106006	7.210	257.808	ug/L	6.035
135 Ba	4.979764	1.512	10328.427	ug/L	224.336
115 In-1			1224348.573	ug/L	1274115.104
208 Pb	1.474411	1.592	36798.470	ug/L	1207.366
169 Tm-1			735722.150	ug/L	730011.191
50 Cr	8.331336	10.215	1111.277	ug/L	-1433.797
53 Cr	-111.072526	2.692	71349.675	ug/L	234828.824
61 Ni	2.579716	75.396	2697.498	ug/L	2734.529
63 Cu	107.837139	0.936	267210.147	ug/L	119.336
67 Zn	-4.237145	17.471	1522.371	ug/L	2063.682
66 Zn	5.440709	2.129	4403.434	ug/L	1399.314
76 Se	-75.718569	32.889	-168078.329	ug/L	-176616.770
77 Se	-90.407073	1.295	5168.736	ug/L	21684.459
78 Se	-2.388434	10.051	19416.729	ug/L	22421.699
79 Br	-3372.103955	4.177	22609.800	ug/L	53642.215
72 Ge			1240277.184	ug/L	1330397.647
108 Cd	0.187516	11.195	36.431	ug/L	4.705
114 Cd	0.088999	7.831	520.189	ug/L	28.180
109 Ag	0.045347	7.182	186.672	ug/L	14.667

[> 115 In				1224348.573	ug/L	1274115.104
208 207.977	1.517987	1.737		19346.034	ug/L	635.356
207 Pb	1.512670	2.218		7946.607	ug/L	261.004
206 Pb	1.365757	1.734		9505.828	ug/L	311.006
[> 169 Tm				735722.150	ug/L	730011.191
106 Pd	0.868228	2.283		189.335	ug/L	7.000
83 Kr	2505.993276	27.579		1130.051	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	106.024
Be	9	
[> Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	93.226
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	96.094
Pb	208	
[> Tm-1	169	100.782
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	93.226
Cd	108	
Cd	114	
Ag	109	
[> In	115	96.094
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	100.782
Pd	106	
Kr	83	

**Sample ID: H64HJ**

Sample Description: G6F090224-12

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 14:42:10

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64HJ.040

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 40

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1879853.702	ug/L	2040058.847
6 Li-1			680889.155	ug/L	654365.843
9 Be	0.019404	44.284	10.333	ug/L	2.000
44 Ca	733.867404	1.025	338721.334	ug/L	22994.846
51 V	4.837351	2.236	8490.687	ug/L	-71518.709
52 Cr	0.636527	6.622	62790.827	ug/L	58617.024
55 Mn	18.535263	0.427	426414.592	ug/L	4308.062
59 Co	0.518293	1.200	8724.347	ug/L	122.001
60 Ni	1.437718	2.510	5254.574	ug/L	238.525
65 Cu	118.721764	0.536	367210.885	ug/L	146.810
68 Zn	7.190920	6.905	10686.533	ug/L	3085.879
75 As	0.427339	42.337	19731.227	ug/L	20157.263
82 Se	0.248902	32.266	1207.738	ug/L	1241.555
97 Mo	0.426400	4.005	921.049	ug/L	42.000
72 Ge-1			1229007.484	ug/L	1330397.647
107 Ag	0.056522	1.355	650.691	ug/L	49.000
111 Cd	0.060249	10.464	146.670	ug/L	6.035
135 Ba	6.541101	1.762	13295.094	ug/L	224.336
115 In-1			1205871.256	ug/L	1274115.104
208 Pb	1.316927	0.686	32862.626	ug/L	1207.366
169 Tm-1			732703.832	ug/L	730011.191
50 Cr	9.787667	8.634	1524.371	ug/L	-1433.797
53 Cr	-110.231828	3.087	71816.379	ug/L	234828.824
61 Ni	3.754507	52.652	2740.202	ug/L	2734.529
63 Cu	116.401108	0.941	285793.059	ug/L	119.336
67 Zn	-2.437953	33.689	1677.784	ug/L	2063.682
66 Zn	6.904458	7.439	5189.314	ug/L	1399.314
76 Se	-41.494972	42.089	-165018.939	ug/L	-176616.770
77 Se	-90.049374	0.906	5180.741	ug/L	21684.459
78 Se	-2.066278	2.244	19439.030	ug/L	22421.699
79 Br	-3291.968477	3.931	23051.270	ug/L	53642.215
72 Ge			1229007.484	ug/L	1330397.647
108 Cd	0.206148	5.446	39.038	ug/L	4.705
114 Cd	0.045664	9.493	276.006	ug/L	28.180
109 Ag	0.047379	10.496	191.339	ug/L	14.667

[> 115 In				1205871.256	ug/L	1274115.104
208 207.977	1.349902	0.468		17203.897	ug/L	635.356
207 Pb	1.354114	2.517		7111.890	ug/L	261.004
206 Pb	1.228492	1.012		8546.839	ug/L	311.006
[> 169 Tm				732703.832	ug/L	730011.191
106 Pd	0.958703	4.166		208.336	ug/L	7.000
83 Kr	3287.154988	16.054		1088.381	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	104.053
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	92.379
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	94.644
Pb	208	
[> Tm-1	169	100.369
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	92.379
Cd	108	
Cd	114	
Ag	109	
[> In	115	94.644
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	100.369
Pd	106	
Kr	83	

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**Sample ID: H64HK**

Sample Description: G6F090224-13

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 14:46:19

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64HK.041

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 41

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1862167.349	ug/L	2040058.847
6 Li-1			686591.696	ug/L	654365.843
9 Be	0.034225	43.525	16.667	ug/L	2.000
44 Ca	1309.150772	3.105	579079.188	ug/L	22994.846
51 V	6.144213	3.914	28190.941	ug/L	-71518.709
52 Cr	0.887865	10.863	65253.417	ug/L	58617.024
55 Mn	24.240415	2.701	548380.314	ug/L	4308.062
59 Co	0.626472	1.716	10372.145	ug/L	122.001
60 Ni	3.187998	1.072	11220.220	ug/L	238.525
65 Cu	110.410919	2.552	336576.803	ug/L	146.810
68 Zn	5.495867	2.924	8712.669	ug/L	3085.879
75 As	1.067161	35.136	21073.522	ug/L	20157.263
82 Se	0.833225	37.715	1331.629	ug/L	1241.555
97 Mo	0.629130	3.286	1321.100	ug/L	42.000
72 Ge-1			1211640.533	ug/L	1330397.647
107 Ag	0.029668	20.151	358.674	ug/L	49.000
111 Cd	0.061352	17.663	147.302	ug/L	6.035
135 Ba	10.106891	2.466	20148.842	ug/L	224.336
115 In-1			1189587.686	ug/L	1274115.104
208 Pb	1.594796	2.354	39264.792	ug/L	1207.366
169 Tm-1			727662.136	ug/L	730011.191
50 Cr	12.362614	4.905	2241.628	ug/L	-1433.797
53 Cr	-110.737132	3.476	70151.607	ug/L	234828.824
61 Ni	6.345816	40.898	2844.962	ug/L	2734.529
63 Cu	108.214879	2.525	261866.046	ug/L	119.336
67 Zn	-4.202286	22.643	1490.356	ug/L	2063.682
66 Zn	5.149747	6.186	4137.739	ug/L	1399.314
76 Se	-30.574767	137.564	-162228.006	ug/L	-176616.770
77 Se	-89.560127	2.437	5190.082	ug/L	21684.459
78 Se	-1.176136	47.843	19700.672	ug/L	22421.699
79 Br	-3297.991174	4.320	22673.918	ug/L	53642.215
72 Ge			1211640.533	ug/L	1330397.647
108 Cd	0.014199	893.046	6.664	ug/L	4.705
114 Cd	0.038331	13.162	232.732	ug/L	28.180
109 Ag	0.027102	21.647	114.002	ug/L	14.667

[> 115 In				1189587.686	ug/L	1274115.104
208 207.977	1.651058	2.040		20753.923	ug/L	635.356
207 Pb	1.623985	4.483		8418.386	ug/L	261.004
206 Pb	1.469764	1.872		10092.484	ug/L	311.006
[> 169 Tm				727662.136	ug/L	730011.191
106 Pd	1.225366	1.571		264.337	ug/L	7.000
83 Kr	3224.662325	12.755		1091.714	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc 45

[> Li-1 6 104.925

Be 9

Ca 44

V 51

Cr 52

Mn 55

Co 59

Ni 60

Cu 65

Zn 68

As 75

Se 82

Mo 97

[> Ge-1 72 91.074

Ag 107

Cd 111

Ba 135

[> In-1 115 93.366

Pb 208

[> Tm-1 169 99.678

Cr 50

Cr 53

Ni 61

Cu 63

Zn 67

Zn 66

Se 76

Se 77

Se 78

Br 79

[> Ge 72 91.074

Cd 108

Cd 114

Ag 109

[> In 115 93.366

207.977 208

Pb 207

Pb 206

[> Tm 169 99.678

Pd 106

Kr 83

SOP No. SAC-MT-0001

BJones

**Sample ID: H64HL**

Sample Description: G6F090224-14

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 14:50:29

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64HL.042

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 42

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1870812.839	ug/L	2040058.847
6 Li-1			687159.294	ug/L	654365.843
9 Be	0.028321	44.259	14.333	ug/L	2.000
44 Ca	876.986477	1.468	397645.562	ug/L	22994.846
51 V	5.061287	1.110	11847.815	ug/L	-71518.709
52 Cr	1.036334	4.055	67713.337	ug/L	58617.024
55 Mn	25.791401	1.054	587366.448	ug/L	4308.062
59 Co	0.633172	1.233	10554.028	ug/L	122.001
60 Ni	1.822520	1.912	6551.929	ug/L	238.525
65 Cu	66.907352	1.529	205454.326	ug/L	146.810
68 Zn	7.722788	1.569	11183.478	ug/L	3085.879
75 As	0.628402	32.797	20096.496	ug/L	20157.263
82 Se	0.420434	15.066	1240.317	ug/L	1241.555
97 Mo	0.438394	3.593	938.717	ug/L	42.000
72 Ge-1			1219898.369	ug/L	1330397.647
107 Ag	0.029923	6.500	363.674	ug/L	49.000
111 Cd	0.065746	3.468	158.402	ug/L	6.035
135 Ba	7.684458	1.302	15469.998	ug/L	224.336
115 In-1			1197181.034	ug/L	1274115.104
208 Pb	1.616351	2.910	39586.439	ug/L	1207.366
169 Tm-1			724333.771	ug/L	730011.191
50 Cr	10.609482	4.049	1752.024	ug/L	-1433.797
53 Cr	-110.155944	2.656	71399.253	ug/L	234828.824
61 Ni	3.225919	6.980	2689.824	ug/L	2734.529
63 Cu	66.132508	1.293	161206.814	ug/L	119.336
67 Zn	-1.529594	79.944	1750.492	ug/L	2063.682
66 Zn	7.607908	2.446	5545.585	ug/L	1399.314
76 Se	-26.714744	43.536	-163132.685	ug/L	-176616.770
77 Se	-90.538612	1.350	5063.694	ug/L	21684.459
78 Se	-2.085244	30.332	19280.855	ug/L	22421.699
79 Br	-3332.209891	2.345	22560.360	ug/L	53642.215
72 Ge			1219898.369	ug/L	1330397.647
108 Cd	0.258046	8.369	47.396	ug/L	4.705
114 Cd	0.046640	9.304	279.333	ug/L	28.180
109 Ag	0.026407	9.638	112.002	ug/L	14.667

[> 115 In			1197181.034	ug/L	1274115.104
208 207.977	1.658268	2.648	20740.887	ug/L	635.356
207 Pb	1.671071	4.192	8611.570	ug/L	261.004
206 Pb	1.498312	2.371	10233.982	ug/L	311.006
[> 169 Tm			724333.771	ug/L	730011.191
106 Pd	1.138065	6.164	246.003	ug/L	7.000
83 Kr	2918.446071	34.516	1108.049	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	105.011
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	91.694
Ag	107	
Cd	111	
Ba	135	
[> In-1	115	93.962
Pb	208	
[> Tm-1	169	99.222
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	91.694
Cd	108	
Cd	114	
Ag	109	
[> In	115	93.962
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	99.222
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

**Sample ID: H64HM**

Sample Description: G6F090224-15

Batch ID: 6171370

Sample Date/Time: Wednesday, June 21, 2006 14:54:39

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\H64HM.043

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 43

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1884248.932	ug/L	2040058.847
6 Li-1			690522.076	ug/L	654365.843
9 Be	0.003586	97.776	3.667	ug/L	2.000
44 Ca	241.330841	2.267	126859.747	ug/L	22994.846
51 V	3.649442	5.391	-9933.949	ug/L	-71518.709
52 Cr	0.154184	72.920	56781.343	ug/L	58617.024
55 Mn	1.532264	0.555	39279.636	ug/L	4308.062
59 Co	0.187594	1.724	3260.941	ug/L	122.001
60 Ni	1.142552	1.359	4261.597	ug/L	238.525
65 Cu	0.893514	2.662	2926.395	ug/L	146.810
68 Zn	2.143580	9.789	5238.237	ug/L	3085.879
75 As	-0.093246	144.573	18557.615	ug/L	20157.263
82 Se	-0.114282	324.523	1130.080	ug/L	1241.555
97 Mo	0.295592	6.743	657.025	ug/L	42.000
72 Ge-1			1240974.896	ug/L	1330397.647
107 Ag	0.000957	50.203	57.000	ug/L	49.000
111 Cd	0.001416	156.109	9.079	ug/L	6.035
135 Ba	0.517305	1.813	1255.423	ug/L	224.336
115 In-1			1214026.857	ug/L	1274115.104
208 Pb	0.120203	2.501	4101.715	ug/L	1207.366
169 Tm-1			733004.251	ug/L	730011.191
50 Cr	4.840486	3.193	85.527	ug/L	-1433.797
53 Cr	-110.756397	2.462	71784.924	ug/L	234828.824
61 Ni	3.096311	28.863	2729.192	ug/L	2734.529
63 Cu	0.923345	1.931	2399.922	ug/L	119.336
67 Zn	-6.832752	11.801	1276.595	ug/L	2063.682
66 Zn	2.116618	10.450	2512.011	ug/L	1399.314
76 Se	-46.523208	25.634	-166851.881	ug/L	-176616.770
77 Se	-90.415467	1.592	5169.070	ug/L	21684.459
78 Se	-2.421553	19.234	19405.432	ug/L	22421.699
79 Br	-3587.107440	4.474	20865.433	ug/L	53642.215
72 Ge			1240974.896	ug/L	1330397.647
108 Cd	0.219003	13.979	41.461	ug/L	4.705
114 Cd	0.003779	51.578	47.629	ug/L	28.180
109 Ag	0.000628	150.714	16.333	ug/L	14.667

[> 115 In				1214026.857	ug/L	1274115.104
208 207.977	0.127839	2.962		2206.945	ug/L	635.356
207 Pb	0.118060	1.617		859.709	ug/L	261.004
206 Pb	0.107841	4.898		1035.061	ug/L	311.006
[> 169 Tm				733004.251	ug/L	730011.191
106 Pd	0.392050	16.490		89.334	ug/L	7.000
83 Kr	3155.919250	29.056		1095.381	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Analyte	Mass	Int Std	% Recovery
Sc	45		
[> Li-1	6	105.525	

Analyte	Mass	Int Std	% Recovery
[< Be	9		

Analyte	Mass	Int Std	% Recovery
[< Ca	44		

Analyte	Mass	Int Std	% Recovery
[< V	51		

Analyte	Mass	Int Std	% Recovery
[< Cr	52		

Analyte	Mass	Int Std	% Recovery
[< Mn	55		

Analyte	Mass	Int Std	% Recovery
[< Co	59		

Analyte	Mass	Int Std	% Recovery
[< Ni	60		

Analyte	Mass	Int Std	% Recovery
[< Cu	65		

Analyte	Mass	Int Std	% Recovery
[< Zn	68		

Analyte	Mass	Int Std	% Recovery
[< As	75		

Analyte	Mass	Int Std	% Recovery
[< Se	82		

Analyte	Mass	Int Std	% Recovery
[< Mo	97		

Analyte	Mass	Int Std	% Recovery
[> Ge-1	72	93.278	

Analyte	Mass	Int Std	% Recovery
[< Ag	107		

Analyte	Mass	Int Std	% Recovery
[< Cd	111		

Analyte	Mass	Int Std	% Recovery
[< Ba	135		

Analyte	Mass	Int Std	% Recovery
[> In-1	115	95.284	

Analyte	Mass	Int Std	% Recovery
[< Pb	208		

Analyte	Mass	Int Std	% Recovery
[> Tm-1	169	100.410	

Analyte	Mass	Int Std	% Recovery
[< Cr	50		

Analyte	Mass	Int Std	% Recovery
[< Cr	53		

Analyte	Mass	Int Std	% Recovery
[< Ni	61		

Analyte	Mass	Int Std	% Recovery
[< Cu	63		

Analyte	Mass	Int Std	% Recovery
[< Zn	67		

Analyte	Mass	Int Std	% Recovery
[< Zn	66		

Analyte	Mass	Int Std	% Recovery
[< Se	76		

Analyte	Mass	Int Std	% Recovery
[< Se	77		

Analyte	Mass	Int Std	% Recovery
[< Br	78		

Analyte	Mass	Int Std	% Recovery
[> Ge	72	93.278	

Analyte	Mass	Int Std	% Recovery
[< Cd	108		

Analyte	Mass	Int Std	% Recovery
[< Cd	114		

Analyte	Mass	Int Std	% Recovery
[< Ag	109		

Analyte	Mass	Int Std	% Recovery
[> In	115	95.284	

Analyte	Mass	Int Std	% Recovery
[< 207.977	208		

Analyte	Mass	Int Std	% Recovery
[< Pb	207		

Analyte	Mass	Int Std	% Recovery
[< Pb	206		

Analyte	Mass	Int Std	% Recovery
[> Tm	169	100.410	

Analyte	Mass	Int Std	% Recovery
[< Pd	106		

Analyte	Mass	Int Std	% Recovery
[< Kr	83		

**Sample ID: CCV 5**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 14:58:48

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\CCV 5.044

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1850543.383	ug/L	2040058.847
6 Li-1			696732.610	ug/L	654365.843
9 Be	99.237169	0.837	43337.729	ug/L	2.000
44 Ca	5156.161329	0.518	2202998.678	ug/L	22994.846
51 V	103.602789	0.980	1497432.661	ug/L	-71518.709
52 Cr	102.334561	0.517	1412328.144	ug/L	58617.024
55 Mn	102.105428	1.042	2280330.784	ug/L	4308.062
59 Co	99.239714	0.836	1613173.381	ug/L	122.001
60 Ni	98.967898	0.271	339200.973	ug/L	238.525
65 Cu	97.413752	0.054	294780.327	ug/L	146.810
68 Zn	101.028253	0.255	110486.179	ug/L	3085.879
75 As	99.336843	0.774	270161.239	ug/L	20157.263
82 Se	98.455674	0.980	24652.000	ug/L	1241.555
97 Mo	202.021255	0.385	408976.695	ug/L	42.000
72 Ge-1			1202269.376	ug/L	1330397.647
107 Ag	50.323706	0.151	511528.459	ug/L	49.000
111 Cd	100.986468	0.461	224655.240	ug/L	6.035
135 Ba	99.305194	0.205	189028.425	ug/L	224.336
115 In-1			1146365.909	ug/L	1274115.104
208 Pb	104.847233	0.295	2411103.893	ug/L	1207.366
169 Tm-1			700719.413	ug/L	730011.191
50 Cr	108.130555	2.967	29507.225	ug/L	-1433.797
53 Cr	101.325263	3.398	342721.435	ug/L	234828.824
61 Ni	95.814028	2.337	7812.756	ug/L	2734.529
63 Cu	97.254180	0.382	233616.157	ug/L	119.336
67 Zn	100.316350	2.464	11081.283	ug/L	2063.682
66 Zn	99.815414	0.819	56374.633	ug/L	1399.314
76 Se	35.595454	58.794	-158043.773	ug/L	-176616.770
77 Se	92.732968	3.898	34558.050	ug/L	21684.459
78 Se	98.381039	1.005	79590.269	ug/L	22421.699
79 Br	25.659181	534.555	48679.978	ug/L	53642.215
72 Ge			1202269.376	ug/L	1330397.647
108 Cd	99.701498	0.434	15904.537	ug/L	4.705
114 Cd	100.350596	0.591	520939.163	ug/L	28.180
109 Ag	49.561608	0.463	176523.833	ug/L	14.667

[> 115 In				1146365.909	ug/L	1274115.104
208 207.977	104.787535	0.688		1230424.414	ug/L	635.356
207 Pb	105.320375	0.223		509814.827	ug/L	261.004
206 Pb	104.599439	1.275		670864.652	ug/L	311.006
[> 169 Tm				700719.413	ug/L	730011.191
106 Pd	96.340736	0.757		20239.381	ug/L	7.000
83 Kr	2006.045647	79.600		1156.720	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc 45

[> Li-1 6 106.474

Be 9

Ca 44

V 51

Cr 52

Mn 55

Co 59

Ni 60

Cu 65

Zn 68

As 75

Se 82

Mo 97

[> Ge-1 72 90.369

Ag 107

Cd 111

Ba 135

[> In-1 115 89.973

Pb 208

[> Tm-1 169 95.987

Cr 50

Cr 53

Ni 61

Cu 63

Zn 67

Zn 66

Se 76

Se 77

Se 78

Br 79

[> Ge 72 90.369

Cd 108

Cd 114

Ag 109

[> In 115 89.973

207.977 208

Pb 207

Pb 206

[> Tm 169 95.987

Pd 106

Kr 83

SOP No. SAC-MT-0001

BJones

**Sample ID: CCB 5**

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, June 21, 2006 15:02:57

Method File: C:\elandata\Method\6171370.mth

Dataset File: c:\elandata\dataset\060621a1\CCB 5.045

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

**Sample Result Summary**

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1845014.750	ug/L	2040058.847	
6 Li-1					712748.173	ug/L	654365.843	
9 Be	0.011572	41.480			7.333	ug/L	2.000	
44 Ca	-3.088783	16.944			19601.933	ug/L	22994.846	
51 V	1.450682	15.660			-43033.708	ug/L	-71518.709	
52 Cr	-0.297303	9.710			49348.778	ug/L	58617.024	
55 Mn	-0.003406	74.112			3842.510	ug/L	4308.062	
59 Co	0.006640	11.016			219.669	ug/L	122.001	
60 Ni	0.001134	248.581			220.918	ug/L	238.525	
65 Cu	0.005555	81.659			150.488	ug/L	146.810	
68 Zn	1.332944	20.989			4237.362	ug/L	3085.879	
75 As	-0.361252	7.339			17414.571	ug/L	20157.263	
82 Se	0.129467	33.628			1160.623	ug/L	1241.555	
97 Mo	0.685741	28.809			1435.791	ug/L	42.000	
72 Ge-1					1210266.122	ug/L	1330397.647	
107 Ag	0.017772	21.056			228.670	ug/L	49.000	
111 Cd	0.006619	34.486			20.487	ug/L	6.035	
135 Ba	0.015494	53.720			235.337	ug/L	224.336	
115 In-1					1165945.233	ug/L	1274115.104	
208 Pb	-0.006021	20.368			1043.357	ug/L	1207.366	
169 Tm-1					716289.591	ug/L	730011.191	
50 Cr	0.707028	14.257			-1101.673	ug/L	-1433.797	
53 Cr	-25.000535	7.461			181209.706	ug/L	234828.824	
61 Ni	-0.472675	339.416			2461.303	ug/L	2734.529	
63 Cu	0.007487	31.122			126.669	ug/L	119.336	
67 Zn	1.602823	18.122			2025.656	ug/L	2063.682	
66 Zn	1.369504	16.919			2033.997	ug/L	1399.314	
76 Se	-50.961677	29.871			-162917.681	ug/L	-176616.770	
77 Se	-26.874321	0.432			15361.767	ug/L	21684.459	
78 Se	-2.629193	3.003			18801.056	ug/L	22421.699	
79 Br	201.808535	67.026			50398.763	ug/L	53642.215	
72 Ge					1210266.122	ug/L	1330397.647	
108 Cd	0.035365	59.312			10.050	ug/L	4.705	
114 Cd	0.007697	31.758			66.488	ug/L	28.180	
109 Ag	0.018008	6.504			78.668	ug/L	14.667	

> 115 In				1165945.233	ug/L	1274115.104
208	207.977	-0.006707	39.756	543.017	ug/L	635.356
207 Pb		-0.005073	20.157	231.003	ug/L	261.004
206 Pb		-0.005479	43.539	269.337	ug/L	311.006
> 169 Tm				716289.591	ug/L	730011.191
106 Pd		-0.003174	229.129	6.333	ug/L	7.000
83 Kr	3699.606042		27.997	1066.379	ug/L	1263.731

### Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	108.922
Be	9	
Ca	44	
V	51	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	90.970
Ag	107	
Cd	111	
Ba	135	
> In-1	115	91.510
Pb	208	
> Tm-1	169	98.120
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	90.970
Cd	108	
Cd	114	
Ag	109	
> In	115	91.510
207.977	208	
Pb	207	
Pb	206	
> Tm	169	98.120
Pd	106	
Kr	83	

# Mercury

## STL Sacramento

G6F090224

Method: CVHG - Mercury (Mercury by Cold Vapor AA)

Instrument: STL2 (H03)

Reported: 06/21/06 15:47:02

## RUN SUMMARY

Sequence:	21JUN06B	Date:	06/21/06 14:47	Analyst: merrittn				ICV:	CAL/CCV:	Comment	Q
#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	
1	Std01Rep1				0.00	1.0	0.00	ug/L		06/21/06 14:47	
2	Std02Rep1	= 0.200			0.00	1.0	0.00	ug/L		06/21/06 14:48	
3	Std03Rep1	= 0.500			0.00	1.0	0.00	ug/L		06/21/06 14:50	
4	Std04Rep1	= 1.00			0.00	1.0	0.00	ug/L		06/21/06 14:52	
5	Std05Rep1	= 5.00			0.00	1.0	0.00	ug/L		06/21/06 14:54	
6	Std06Rep1	= 10.0			0.00	1.0	0.00	ug/L		06/21/06 14:55	
7	ICV	= 2.00			1.85	1.0	1.85	ug/L	92.5%	06/21/06 15:00	
8	ICB				-0.02	1.0	-0.02	ug/L		06/21/06 15:01	
9	H7VL7B	G6F210000	6172363		-0.01	1.0	-0.01	ug/L		06/21/06 15:03	
10	H7VL7C	G6F210000 = 1.80	6172363		0.96	1.0	0.58	ug/L	96.2%	06/21/06 15:05	
11	H7VL7L	G6F210000 = 1.80	6172363		0.98	1.0	0.59	ug/L	99.0%	06/21/06 15:07	A, N
12	H64GW	G6F090224-1	6172363	AIR	-0.01	1.0	-0.00	ug/L		06/21/06 15:08	
13	H64G5	G6F090224-2	6172363	AIR	0.01	1.0	0.00	ug/L		06/21/06 15:10	
14	H64G6	G6F090224-3	6172363	AIR	0.01	1.0	0.00	ug/L		06/21/06 15:12	
15	H64G7	G6F090224-4	6172363	AIR	0.01	1.0	0.01	ug/L		06/21/06 15:14	
16	H64G8	G6F090224-5	6172363	AIR	0.01	1.0	0.01	ug/L		06/21/06 15:16	
17	H64G9	G6F090224-6	6172363	AIR	0.01	1.0	0.01	ug/L		06/21/06 15:18	
18	H64HA	G6F090224-7	6172363	AIR	0.01	1.0	0.01	ug/L		06/21/06 15:19	
19	CCV	= 5.00			5.10	1.0	5.10	ug/L	102.0%	06/21/06 15:21	
20	CCB				-0.03	1.0	-0.03	ug/L		06/21/06 15:23	
21	H64HC	G6F090224-8	6172363	AIR	-0.00	1.0	-0.00	ug/L		06/21/06 15:24	
22	H64HD	G6F090224-9	6172363	AIR	0.03	1.0	0.01	ug/L		06/21/06 15:26	
23	H64HG	G6F090224-10	6172363	AIR	0.02	1.0	0.01	ug/L		06/21/06 15:28	
24	H64HH	G6F090224-11	6172363	AIR	0.02	1.0	0.01	ug/L		06/21/06 15:29	
25	H64HJ	G6F090224-12	6172363	AIR	0.03	1.0	0.02	ug/L		06/21/06 15:31	
26	H64HK	G6F090224-13	6172363	AIR	0.05	1.0	0.03	ug/L		06/21/06 15:33	
27	H64HL	G6F090224-14	6172363	AIR	0.05	1.0	0.03	ug/L		06/21/06 15:35	
28	H64HM	G6F090224-15	6172363	AIR	-0.01	1.0	-0.01	ug/L		06/21/06 15:36	
29	CCV	= 5.00			5.01	1.0	5.01	ug/L	100.2%	06/21/06 15:38	
30	CCB				-0.03	1.0	-0.03	ug/L		06/21/06 15:40	

## STL Sacramento

## CALIBRATION CHECK SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA)

Instrument: STL2 (H03)

Reported: 06/21/06 15:47:09

Sequence:	# Sample ID	Date:	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	ICV:	CAL/CCV:	Comment	Q
7	ICV	= 2.00				1.85	1.0	1.85	ug/L	92.5%	06/21/06 15:00				<input type="checkbox"/>
8	ICB	= 5.00				-0.02	1.0	-0.02	ug/L	06/21/06 15:01					<input type="checkbox"/>
19	CCV	= 5.00				5.10	1.0	5.10	ug/L	102.0%	06/21/06 15:21				<input type="checkbox"/>
20	CCB	= 5.00				-0.03	1.0	-0.03	ug/L	06/21/06 15:23					<input type="checkbox"/>
29	CCV	= 5.00				5.01	1.0	5.01	ug/L	100.2%	06/21/06 15:38				<input type="checkbox"/>
30	CCB					-0.03	1.0	-0.03	ug/L	06/21/06 15:40					<input type="checkbox"/>

RN RN↑ ?

Protocol STL2

Dataset/Proto 21JUN06B/STL2

[Protocol](#) [Line info](#) [Cal Curve](#) [Report](#) [Ctrl Chart](#) [Viewer](#)
 Reset Calib Coeffs New Cal Update Coeffs Spike CoeffsA  $\mu$  Abs.

29489

B  3.38187e-4

Accepted

C  2.07430e-2

Calibrated

Rho  999923

Accepted

Type  Linear

New

 AcceptInclude S1 Rep 1  2  3  4  5 

21-Jun-06 14:58

Conc. 10.0

S.	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	00000	.026	.026	.16	1	.16		
02	.20000	.189	-.011	.622	0%	.621		
03	.50000	.494	-.006	1522	0%	1521		
04	1.0000	.996	-.004	3006	0%	3006		
05	5.0000	5.10	.095	15128	0%	15128		
06	10.000	9.95	-.048	29489	0%	29489		
1								

CAP NUM

Ready

CHEMIST INITIAL: NM  
 DATE OF RUN: 06/21/06  
 INSTRUMENT ID.: H-03  
 TYPE OF ANALYSIS: HS  
 CALIBRATION STD.: 1767-20-12  
 ICV STD.: 1767-20-13  
 CCV STD.: 1767-20-12

STL Sacramento

Folder: 21JUN06B  
Protocol: STL2  
\*\*\*POST-RUN REPORT\*\*\*

Page 703

Line	Conc.	Units	SD/RSD	1	2	3	4	5
-----								
*** Standard: 1 Rep: 1				Seq:	1	14:47:05	21 Jun 06	HG
Hg	.000	ug/L	-16					
*** Standard: 2 Rep: 1				Seq:	2	14:48:46	21 Jun 06	HG
Hg	.200	ug/L	621					
*** Standard: 3 Rep: 1				Seq:	3	14:50:33	21 Jun 06	HG
Hg	.500	ug/L	1521					
*** Standard: 4 Rep: 1				Seq:	4	14:52:22	21 Jun 06	HG
Hg	1.00	ug/L	3006					
*** Standard: 5 Rep: 1				Seq:	5	14:54:00	21 Jun 06	HG
Hg	5.00	ug/L	15128					
*** Standard: 6 Rep: 1				Seq:	6	14:55:42	21 Jun 06	HG
Hg	10.0	ug/L	29489					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Standard: 1 Rep: 1				Seq: 1	14:47:05	21 Jun 06	HG	
Hg	.000	ug/L	-16					
*** Standard: 2 Rep: 1				Seq: 2	14:48:46	21 Jun 06	HG	
Hg	.200	ug/L	621					
*** Standard: 3 Rep: 1				Seq: 3	14:50:33	21 Jun 06	HG	
Hg	.500	ug/L	1521					
*** Standard: 4 Rep: 1				Seq: 4	14:52:22	21 Jun 06	HG	
Hg	1.00	ug/L	3006					
*** Standard: 5 Rep: 1				Seq: 5	14:54:00	21 Jun 06	HG	
Hg	5.00	ug/L	15128					
*** Standard: 6 Rep: 1				Seq: 6	14:55:42	21 Jun 06	HG	
Hg	10.0	ug/L	29489					
*** Sample ID: ICV				Seq: 7	15:00:01	21 Jun 06	HG	
Hg	1.85	ug/L	.000 % 1.85		92.5	1.		
<hr/>								
*** Sample ID: ICB				Seq: 8	15:01:40	21 Jun 06	HG	
Hg	-.023	ug/L	.000 % -.023					=
<hr/>								
*** Sample ID: H7VL7B				Seq: 9	15:03:17	21 Jun 06	HG	
				G6F210000-363				
Hg	-.012	ug/L	.000 % -.012					=
<hr/>								
*** Sample ID: H7VL7C				Seq: 10	15:05:24	21 Jun 06	HG	
				G6F210000-363				
Hg	.962	ug/L	.000 % .962		96.2	1.		=
<hr/>								
*** Sample ID: H7VL7L				Seq: 11	15:07:13	21 Jun 06	HG	
				G6F210000-363				
Hg	.979	ug/L	.000 % .979		97.9	1.		=
<hr/>								
*** Sample ID: H64GW				Seq: 12	15:08:49	21 Jun 06	HG	
				G6F090224-1				
Hg	-.008	ug/L	.000 % -.008					=
<hr/>								
*** Sample ID: H64G5				Seq: 13	15:10:55	21 Jun 06	HG	
				G6F090224-2				
Hg	.008	ug/L	.000 % .008					=
<hr/>								

STL Sacramento

Folder: 21JUN06B

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Protocol: STL2

\*\*\*POST-RUN REPORT\*\*\*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
------	-------	-------	--------	---	---	---	---	---

=====  
\*\*\* Sample ID: H64G6 Seq: 14 15:12:32 21 Jun 06 HG  
G6F090224-3  
Hg .008 ug/L .000 % .008  
=====

=====  
\*\*\* Sample ID: H64G7 Seq: 15 15:14:09 21 Jun 06 HG  
G6F090224-4  
Hg .015 ug/L .000 % .015  
=====

=====  
\*\*\* Sample ID: H64G8 Seq: 16 15:16:06 21 Jun 06 HG  
G6F090224-5  
Hg .015 ug/L .000 % .015  
=====

=====  
\*\*\* Sample ID: H64G9 Seq: 17 15:18:07 21 Jun 06 HG  
G6F090224-6  
Hg .013 ug/L .000 % .013  
=====

=====  
\*\*\* Sample ID: H64HA Seq: 18 15:19:43 21 Jun 06 HG  
G6F090224-7  
Hg .015 ug/L .000 % .015  
=====

=====  
\*\*\* Sample ID: CCV Seq: 19 15:21:20 21 Jun 06 HG  
CCV  
Hg 5.10 ug/L .000 % 5.10  
1021.  
=====

=====  
\*\*\* Sample ID: CCB Seq: 20 15:23:08 21 Jun 06 HG  
CCB  
Hg -.026 ug/L .000 % -.026  
=====

=====  
\*\*\* Sample ID: H64HC Seq: 21 15:24:50 21 Jun 06 HG  
G6F090224-8  
Hg -.005 ug/L .000 % -.005  
=====

=====  
\*\*\* Sample ID: H64HD Seq: 22 15:26:32 21 Jun 06 HG  
G6F090224-9  
Hg .025 ug/L .000 % .025  
=====

=====  
\*\*\* Sample ID: H64HG Seq: 23 15:28:09 21 Jun 06 HG  
G6F090224-10  
Hg .017 ug/L .000 % .017  
=====

=====  
\*\*\* Sample ID: H64HH Seq: 24 15:29:56 21 Jun 06 HG  
G6F090224-11  
Hg .021 ug/L .000 % .021  
=====

=====  
\*\*\* Sample ID: H64HJ Seq: 25 15:31:35 21 Jun 06 HG  
G6F090224-12  
Hg .032 ug/L .000 % .032  
=====

STL Sacramento

Folder: 21JUN06B  
Protocol: STL2  
\*\*\*POST-RUN REPORT\*\*\*

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Sample ID: H64HK				Seq:	26	15:33:12	21 Jun 06	HG
				G6F090224-13				
Hg	.054	ug/L		.000	%	.054	<hr/>	
<hr/>								
*** Sample ID: H64HL				Seq:	27	15:35:00	21 Jun 06	HG
				G6F090224-14				
Hg	.053	ug/L		.000	%	.053	<hr/>	
<hr/>								
*** Sample ID: H64HM				Seq:	28	15:36:39	21 Jun 06	HG
				G6F090224-15				
Hg	-.010	ug/L		.000	%	-.010	<hr/>	
<hr/>								
*** Sample ID: CCV				Seq:	29	15:38:21	21 Jun 06	HG
				CCV				
Hg	5.01	ug/L		.000	%	5.01	100.21.	
<hr/>								
*** Sample ID: CCB				Seq:	30	15:40:08	21 Jun 06	HG
				CCB				
Hg	-.028	ug/L		.000	%	-.028	<hr/>	

STL Sacramento  
Hg Data Review Checklist

SEVERN  
TRENT

STL

Run Date: 06/21/06 Analyst: Merritt Instrument H-03

Prep Batches Run: G172363

Circle Methods Used: 7470A / 245.1 7471 / 245.5

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			/
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			/
3. ICB/CCB analyzed at appropriate frequency and within $\pm$ RL?	✓			/
B. Sample Results				
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed?		✓		/
2. All reported results bracketed by in control QC?	✓			/
3. Sample analyses done within holding time?	✓			/
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			/
2. Method blank done per prep batch and < RL?	✓			/
3. MS run at required frequency and within limits?	✓			/
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			/
D. Other				
1. Are all nonconformances documented appropriately?		✓		/
2. Current IDL/MDL data on file?	✓			/
3. Calculations and transcriptions checked for error?	✓			/
4. All client / project specific requirements met?	✓			/
5. Date of analysis verified as correct?	✓			/

Analyst: Merritt

Date: 06/21/06

Comments:

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2<sup>nd</sup> Level Reviewer: MTZ

Date: 6/22/06

Comments:

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## **Sample Preparation Log**

**STL SACRAMENTO**  
**Metals - Air Toxics - Preparation Log**

Date: 20-Jun-06

Analyst: merritn

Matrix: AIR

Fraction: Filter

SOP:

Method: ICPTRACE

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6F200000	380	H7RDQB	2A	NA	NA	NA	100	6171380	1.2
G6F200000	380	H7RDQC	2A	NA	NA	NA	100	6171380	1.2
G6F200000	380	H7RDQL	2A	NA	NA	NA	100	6171380	1.2
G6F090224	1	H64GW	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	2	H64G5	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	3	H64G6	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	4	H64G7	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	5	H64G8	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	6	H64G9	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	7	H64HA	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	8	H64HC	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	9	H64HD	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	10	H64HG	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	11	H64HH	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	12	H64HJ	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	13	H64HK	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	14	H64HL	2A	9	0.75	0.75	100	6171380	1.2
G6F090224	15	H64HM	2A	9	0.75	0.75	100	6171380	1.2
Mbcontrol	1	F1815158	2A	9	0.75	0.75	100	6171380	1.2

For 1" filter: factor = 9 (9/1)  
For 0.75" filter factor = 12 (9/0.75)

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STL Sacramento  
Metals Preparation Spiking  
Documentation Form

SEVERN  
TRENT

Lot # G6F090224

Batch Number:	<u>6171380</u>	Method:	<u>6010</u>	Spiked Date:	<u>06/20/06</u>
MS Run #:	<u>N/A</u>	Prep Code:	<u>2A</u>	Hot Plate Microwave ID:	<u>3</u>
Analyst Initial/Date:	<u>OG/20/06 NM</u>	Witness Initial/Date:	<u>ML/06/20/06</u>	Hot Plate Temp:	<u>90</u>

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO <sub>3</sub>	Ca, Mg Al, As, Ba, Se, Sn, Ti Fe, Mo, Ti Sb, Co, Pb, Mn, Ni, V, Zn Cu Cr , Be, Cd Ag	5,000 200 100 50 25 20 5 5	1774-Met 7-5	1.0 mL	N/A	11/06
	ICP Part 2 2% HNO <sub>3</sub>	K, Na P, S B, Li, Sr	5,000 1,000 100	1774-Met 7-10	1.0 mL	N/A	11/06
	STH20/Ti-HF	Si	1,000				
	XCAL-45 5% HNO <sub>3</sub>	Al, K, Mg, Ca, Na, Fe, P, B, Si As, Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Se, U, V, Zn, Ba, Li, Sn, Sr, Ti Sb, Ag, Ti	50 10 2.5				
	Misc. Elements						06/20/06 N/A

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO <sub>3</sub>	Mallinckrodt	<u>C05065</u>		30% H <sub>2</sub> O <sub>2</sub>	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	06/20/06 N/A

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.

ICPMS matrix spike and LCS: For final volumes of 100ml, add 2ml of XCAL-45.

Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

**STL SACRAMENTO**  
**Metals - Air Toxics - Preparation Log**

Date: 20-Jun-06

Analyst: merrith

Matrix: AIR

Fraction: Filter

SOP:

Method: ICPMS

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6F200000	370	H7RCAB	2A	NA	NA	NA	100	6171370	1.2
G6F200000	370	H7RCAC	2A	NA	NA	NA	100	6171370	1.2
G6F200000	370	H7RCAL	2A	NA	NA	NA	100	6171370	1.2
G6F090224	1	H64GW	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	2	H64G5	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	3	H64G6	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	4	H64G7	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	5	H64G8	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	6	H64G9	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	7	H64HA	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	8	H64HC	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	9	H64HD	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	10	H64HG	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	11	H64HH	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	12	H64HJ	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	13	H64HK	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	14	H64HL	2A	9	0.75	0.75	100	6171370	1.2
G6F090224	15	H64HM	2A	9	0.75	0.75	100	6171370	1.2
Mbcontrol	1	F1815158	2A	9	0.75	0.75	100	6171370	1.2

For 1" filter: factor = 9 (9/1)

For 0.75" filter factor = 12 (9/0.75)

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STL Sacramento  
Metals Preparation Spiking  
Documentation Form

SEVERN  
TRENT

STL

Lot # G6F090294

Batch Number: 6171370 Method: 6020 Spiked Date: 06/20/06

MS Run #: N/A Prep Code: 2A Hot Plate: 3  
Microwave ID:

Analyst Initial/Date: 06/20/06 NM Witness Initial/Date: ML/6/20/06 Hot Plate Temp: 90

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO <sub>3</sub>	Ca, Mg Al, As, Ba, Se, Sn, Ti Fe, Mo, Ti Sb, Co, Pb, Mn, Ni, V, Zn Cu Cr , Be, Cd Ag	5,000 200 100 50 25 20 5 5				
	ICP Part 2 2% HNO <sub>3</sub>	K, Na P, S B, Li, Sr	5,000 1,000 100				
	Si H2O/T <sub>r</sub> HF	Si	1,000				
	XCAL-45 5% HNO <sub>3</sub>	Al, K, Mg, Ca, Na, Fe, P, B, Si As, Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Se, U, V, Zn, Ba, Li, Sn, Sr, Ti Sb, Ag, Tl	50 10 2.5	1734-Met 7-8	2.0 mL	1/16	11/07
	Misc. Elements						

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO <sub>3</sub>	Mallinckrodt	CNS065		30% H <sub>2</sub> O <sub>2</sub>	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	06/20/06

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.

ICPMS matrix spike and LCS: For final volumes of 100ml, add 2ml of XCAL-45.

Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

**STL Sacramento**  
**Mercury Sample Preparation Log**

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	merrittn	Date:	06/21/06		
0	Std1Rep1	NA	AQUEOUS	50	50	SOP#:	SAC-MT-0005				
0.2	Std2Rep1	NA	AQUEOUS	50	50	Autoclave:	Start Time:	10:15	End: 12:00		
0.5	Std3Rep1	NA	AQUEOUS	50	50	Balance ID:	QA-007	Calibrated:	NA		
1	Std4Rep1	NA	AQUEOUS	50	50	<b>STANDARDS:</b>					
5	Std5Rep1	NA	AQUEOUS	50	50	<b>Initial Calibration Standard (ICV):</b>					
10	Std6Rep1	NA	G6E270168	50	50	Lot#: 1767-20-13			Conc: 100ppb		
ICV	ICV	NA	AQUEOUS	50	50	<b>Calibration Stds./CCV/Matrix Spike/LCSW</b>					
ICB	ICB	NA	AQUEOUS	50	50	Lot#: 1767-20-12			Conc: 100ppb		
G6F210000-363	H7VL7B		AQUEOUS	50	50	<b>SOIL (0.6g/50ml)</b>					
G6F210000-363	H7VL7C		AQUEOUS	50	50	Curve/QC (ppb)		Spike Volume			
G6F210000-363	H7VL7L		AQUEOUS	50	50	0.0					
G6F090224-1	H64GW		Filtr	0.75	50	0.2					
G6F090224-2	H64G5		Filtr	0.75	50	0.5					
G6F090224-3	H64G6		Filtr	0.75	50	1.0					
G6F090224-4	H64G7		Filtr	0.75	50	5.0					
G6F090224-5	H64G8		Filtr	0.75	50	10.0					
G6F090224-6	H64G9		Filtr	0.75	50	CCV/5.0					
G6F090224-7	H64HA		Filtr	0.75	50	LCS/1.0					
G6F090224-8	H64HC		Filtr	0.75	50	MS/SD/3.0					
G6F090224-9	H64HD		Filtr	0.75	50	ICV/2.0					
G6F090224-10	H64HG		Filtr	0.75	50						
G6F090224-11	H64HH		Filtr	0.75	50	<b>WATER (30/30ml) , DI Leach (30/30)</b>					
G6F090224-12	H64HJ		Filtr	0.75	50	<b>STLC (3/30 ml) , TCLP (6/30ml)</b>					
G6F090224-13	H64HK		Filtr	0.75	50	Curve/QC (ppb)					
G6F090224-14	H64HL		Filtr	0.75	50	Spike Volume					
G6F090224-15	H64HM		Filtr	0.75	50	0.0					
CCV	CCV		AQUEOUS	50	50	0.0					
CCB	CCB		AQUEOUS	50	50	0.2					
						60 ul					
						150 ul					
						1.5 ml					
						300 ul					
						1.5 ml					
						3.0 ml					
						CCV/5.0					
						1.5 ml					
						LCS/1.0					
						300 ul					
						MS/SD/1.0					
						300 ul					
						ICV/2.0					
						600 ul					
						<b>REAGENTS:</b>					
						06/21	10 E	HNO3 Lot#: C02065			
							N/A	H2SO4 Lot#: C05024			

STL Sacramento  
Mercury Sample Preparation Log

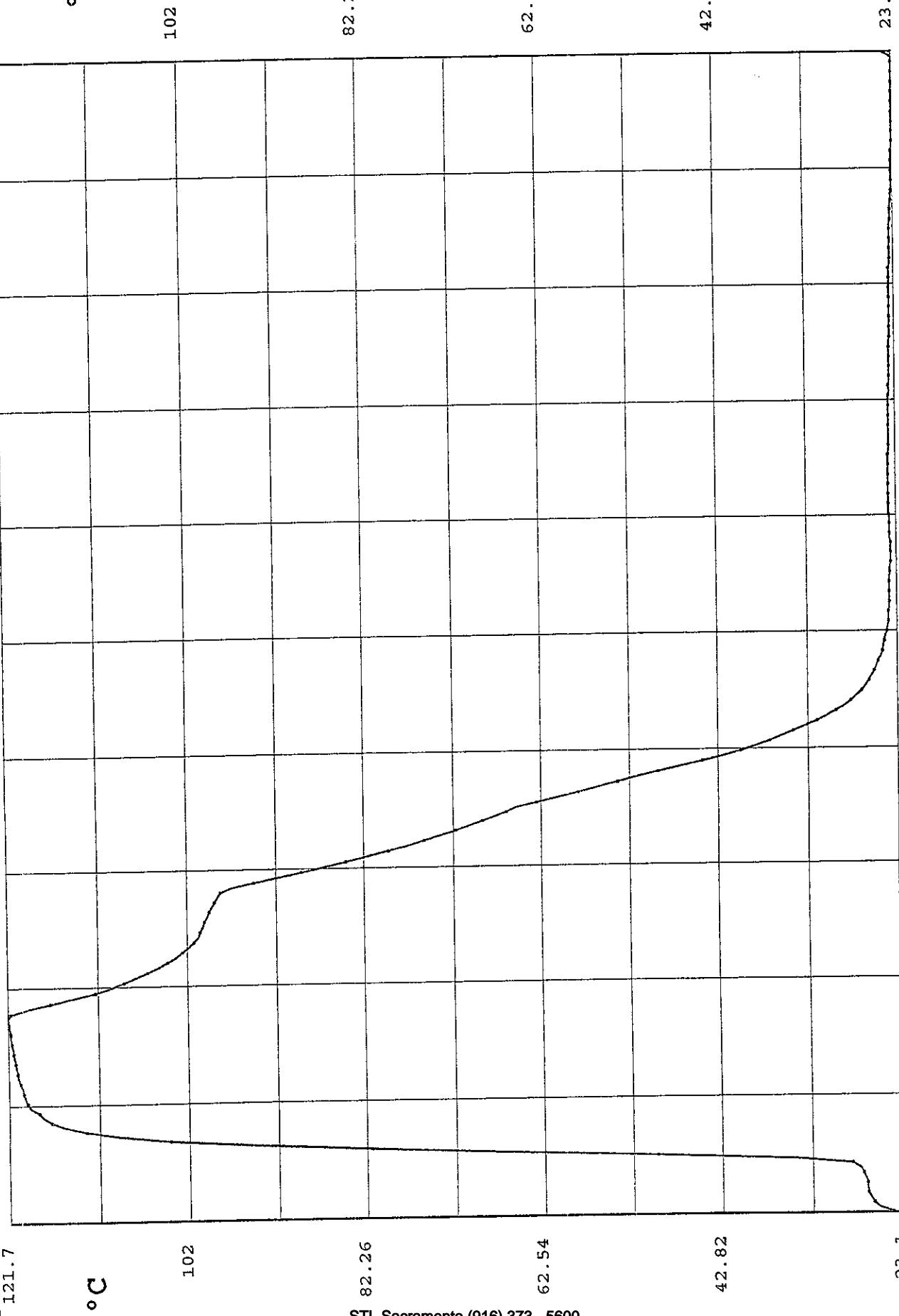
STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	merrittn	Date:	06/21/06
							KMnO4	Lot#:	2626-MET-42-3
							K2S2O8	Lot#:	2626-MET-44-6
							NaCl(NH2OH)2		2626-40-5
							SnCL2	Lot#:	2626-44-7
							06/21/06 A/H		

# Untitled Dataset

Device - HiTemp102  
Serial Number - M10399  
User ID - merrit

121.7

°C



Report Name: HiTemp102 Data Table  
 Report Date: Jun 21, 2006  
 Title: Untitled Dataset  
 Device: HiTemp102 - Temperature Recorder  
 Serial Number: M10399  
 User ID: merrit  
 Data Start Date: Jun 21, 2006 10:15:24 AM  
 Data End Date: Jun 21, 2006 2:11:24 PM  
 Reading Rate: 1 Minute  
 Readings: 1 to 237 of 237

<u>Reading</u>	<u>Date</u>	<u>Time</u>	<u>Temperature</u>	<u>Annotation</u>
1	Jun 21, 2006	10:15:24 AM	24.200	°C
2	Jun 21, 2006	10:16:24 AM	25.700	°C
3	Jun 21, 2006	10:17:24 AM	26.300	°C
4	Jun 21, 2006	10:18:24 AM	26.600	°C
5	Jun 21, 2006	10:19:24 AM	26.900	°C
6	Jun 21, 2006	10:20:24 AM	27.000	°C
7	Jun 21, 2006	10:21:24 AM	27.000	°C
8	Jun 21, 2006	10:22:24 AM	27.200	°C
9	Jun 21, 2006	10:23:24 AM	27.400	°C
10	Jun 21, 2006	10:24:24 AM	27.700	°C
11	Jun 21, 2006	10:25:24 AM	28.600	°C
12	Jun 21, 2006	10:26:24 AM	34.500	°C
13	Jun 21, 2006	10:27:24 AM	49.900	°C
14	Jun 21, 2006	10:28:24 AM	66.700	°C
15	Jun 21, 2006	10:29:24 AM	81.700	°C
16	Jun 21, 2006	10:30:24 AM	94.400	°C
17	Jun 21, 2006	10:31:24 AM	104.000	°C
18	Jun 21, 2006	10:32:24 AM	109.600	°C
19	Jun 21, 2006	10:33:24 AM	113.200	°C
20	Jun 21, 2006	10:34:24 AM	115.500	°C
21	Jun 21, 2006	10:35:24 AM	117.000	°C
22	Jun 21, 2006	10:36:24 AM	117.900	°C
23	Jun 21, 2006	10:37:24 AM	118.400	°C
24	Jun 21, 2006	10:38:24 AM	119.300	°C
25	Jun 21, 2006	10:39:24 AM	119.700	°C
26	Jun 21, 2006	10:40:24 AM	119.900	°C
27	Jun 21, 2006	10:41:24 AM	120.100	°C
28	Jun 21, 2006	10:42:24 AM	120.200	°C
29	Jun 21, 2006	10:43:24 AM	120.400	°C
30	Jun 21, 2006	10:44:24 AM	120.600	°C
31	Jun 21, 2006	10:45:24 AM	120.700	°C
32	Jun 21, 2006	10:46:24 AM	120.800	°C
33	Jun 21, 2006	10:47:24 AM	120.900	°C
34	Jun 21, 2006	10:48:24 AM	121.000	°C
35	Jun 21, 2006	10:49:24 AM	121.100	°C
36	Jun 21, 2006	10:50:24 AM	121.200	°C
37	Jun 21, 2006	10:51:24 AM	121.300	°C
38	Jun 21, 2006	10:52:24 AM	121.400	°C
39	Jun 21, 2006	10:53:24 AM	121.400	°C
40	Jun 21, 2006	10:54:24 AM	121.500	°C
41	Jun 21, 2006	10:55:24 AM	121.600	°C
42	Jun 21, 2006	10:56:24 AM	121.700	°C
43	Jun 21, 2006	10:57:24 AM	121.400	°C
44	Jun 21, 2006	10:58:24 AM	119.500	°C
45	Jun 21, 2006	10:59:24 AM	117.000	°C
46	Jun 21, 2006	11:00:24 AM	114.500	°C
47	Jun 21, 2006	11:01:24 AM	112.100	°C
48	Jun 21, 2006	11:02:24 AM	110.300	°C
49	Jun 21, 2006	11:03:24 AM	108.900	°C
50	Jun 21, 2006	11:04:24 AM	107.600	°C
51	Jun 21, 2006	11:05:24 AM	106.300	°C
52	Jun 21, 2006	11:06:24 AM	105.100	°C
53	Jun 21, 2006	11:07:24 AM	104.100	°C
54	Jun 21, 2006	11:08:24 AM	103.200	°C
55	Jun 21, 2006	11:09:24 AM	102.500	°C
56	Jun 21, 2006	11:10:24 AM	101.800	°C

57	Jun 21, 2006	11:11:24 AM	101.200	°C
58	Jun 21, 2006	11:12:24 AM	100.700	°C
59	Jun 21, 2006	11:13:24 AM	100.500	°C
60	Jun 21, 2006	11:14:24 AM	100.200	°C
61	Jun 21, 2006	11:15:24 AM	100.000	°C
62	Jun 21, 2006	11:16:24 AM	99.700	°C
63	Jun 21, 2006	11:17:24 AM	99.500	°C
64	Jun 21, 2006	11:18:24 AM	99.200	°C
65	Jun 21, 2006	11:19:24 AM	98.900	°C
66	Jun 21, 2006	11:20:24 AM	98.600	°C
67	Jun 21, 2006	11:21:24 AM	98.300	°C
68	Jun 21, 2006	11:22:24 AM	97.000	°C
69	Jun 21, 2006	11:23:24 AM	94.500	°C
70	Jun 21, 2006	11:24:24 AM	91.900	°C
71	Jun 21, 2006	11:25:24 AM	89.200	°C
72	Jun 21, 2006	11:26:24 AM	86.700	°C
73	Jun 21, 2006	11:27:24 AM	84.200	°C
74	Jun 21, 2006	11:28:24 AM	81.800	°C
75	Jun 21, 2006	11:29:24 AM	79.500	°C
76	Jun 21, 2006	11:30:24 AM	77.400	°C
77	Jun 21, 2006	11:31:24 AM	75.500	°C
78	Jun 21, 2006	11:32:24 AM	73.800	°C
79	Jun 21, 2006	11:33:24 AM	72.100	°C
80	Jun 21, 2006	11:34:24 AM	70.500	°C
81	Jun 21, 2006	11:35:24 AM	69.000	°C
82	Jun 21, 2006	11:36:24 AM	67.700	°C
83	Jun 21, 2006	11:37:24 AM	66.400	°C
84	Jun 21, 2006	11:38:24 AM	65.300	°C
85	Jun 21, 2006	11:39:24 AM	63.000	°C
86	Jun 21, 2006	11:40:24 AM	60.700	°C
87	Jun 21, 2006	11:41:24 AM	58.400	°C
88	Jun 21, 2006	11:42:24 AM	56.300	°C
89	Jun 21, 2006	11:43:24 AM	54.000	°C
90	Jun 21, 2006	11:44:24 AM	51.700	°C
91	Jun 21, 2006	11:45:24 AM	49.400	°C
92	Jun 21, 2006	11:46:24 AM	47.000	°C
93	Jun 21, 2006	11:47:24 AM	44.500	°C
94	Jun 21, 2006	11:48:24 AM	42.300	°C
95	Jun 21, 2006	11:49:24 AM	40.300	°C
96	Jun 21, 2006	11:50:24 AM	38.600	°C
97	Jun 21, 2006	11:51:24 AM	37.100	°C
98	Jun 21, 2006	11:52:24 AM	35.800	°C
99	Jun 21, 2006	11:53:24 AM	34.500	°C
100	Jun 21, 2006	11:54:24 AM	33.200	°C
101	Jun 21, 2006	11:55:24 AM	31.900	°C
102	Jun 21, 2006	11:56:24 AM	30.800	°C
103	Jun 21, 2006	11:57:24 AM	29.800	°C
104	Jun 21, 2006	11:58:24 AM	28.900	°C
105	Jun 21, 2006	11:59:24 AM	28.200	°C
106	Jun 21, 2006	12:00:24 PM	27.600	°C
107	Jun 21, 2006	12:01:24 PM	27.000	°C
108	Jun 21, 2006	12:02:24 PM	26.600	°C
109	Jun 21, 2006	12:03:24 PM	26.200	°C
110	Jun 21, 2006	12:04:24 PM	25.900	°C
111	Jun 21, 2006	12:05:24 PM	25.600	°C
112	Jun 21, 2006	12:06:24 PM	25.400	°C
113	Jun 21, 2006	12:07:24 PM	25.200	°C
114	Jun 21, 2006	12:08:24 PM	24.900	°C
115	Jun 21, 2006	12:09:24 PM	24.700	°C
116	Jun 21, 2006	12:10:24 PM	24.600	°C
117	Jun 21, 2006	12:11:24 PM	24.500	°C
118	Jun 21, 2006	12:12:24 PM	24.400	°C
119	Jun 21, 2006	12:13:24 PM	24.200	°C
120	Jun 21, 2006	12:14:24 PM	24.100	°C
121	Jun 21, 2006	12:15:24 PM	24.000	°C
122	Jun 21, 2006	12:16:24 PM	24.000	°C
123	Jun 21, 2006	12:17:24 PM	24.000	°C
124	Jun 21, 2006	12:18:24 PM	23.900	°C
125	Jun 21, 2006	12:19:24 PM	23.900	°C

# AIR, PM-10 & TSP

RQC050

Severn Trent Laboratories, Inc.  
WET CHEM BATCHSHEETRun Date: 6/16/06  
Time: 11:45:54

## STL Sacramento

## PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	RE-RUN QC	RE-RUN MATRIX	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)  
 QC BATCH #: 6167337 INITIALS: SN DATA ENTRY: SV  
 PREP DATE: 6/13/06 15:38 PREP SN INITIALS SV  
 COMP DATE: 6/14/06 16:07 ANAL SN DATE 6/16/06  
 USER: VALMORES

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H64GW-1-AA	G-6F090224-001	XX S 88 JR 01	Y-D	<u>6/16/06</u>	P-0660
H64G5-1-AD	G-6F090224-002	XX S 88 JR 01	Y-D		P-0661
H64G6-1-AD	G-6F090224-003	XX S 88 JR 01	Y-D		P-0662
H64G7-1-AD	G-6F090224-004	XX S 88 JR 01	Y-D		P-0663
H64G8-1-AD	G-6F090224-005	XX S 88 JR 01	Y-D		P-0664
H64G9-1-AD	G-6F090224-006	XX S 88 JR 01	Y-D		P-0665
H64HA-1-AD	G-6F090224-007	XX S 88 JR 01	Y-D		P-0666
H64HC-1-AD	G-6F090224-008	XX S 88 JR 01	Y-D	<u>6/16/06</u>	P-0667

## Control Limits

STL Sacramento  
Air Toxics Laboratory

SEVERN  
TRENT

STI

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: 66F09022 ~ 1 → 8 Batch #: 6167 337

ANALYSIS: (circle) TSR/PM10 or METHOD 5

DATE: 6/16/06 ANALYST: S. Palmer

LEVEL 1 ANALYSIS REVIEW

1. Samples are in good condition.
2. Sample filter number matches the folder or petri ID number.
3. Desiccator temperature and % humidity criteria in control.
4. Balance calibration criteria met.
5. Beginning and ending calibration sample bracket weights are in calibration.
6. Samples reached stable weight.
7. Samples exceeded 5 consecutive final weighings.

YES	NO	N/A
✓	—	—
—	—	—
✓	—	—
✓	—	—
✓	—	—
✓	—	—
✓	—	—
—	—	✓

LEVEL 1 DATA REVIEW

1. Benchsheet is complete.
2. QAS or QAPP consulted and followed for client specifics.
3. Data entered in properly.
4. Copy of spreadsheet or logbook raw data entry attached to data package.
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.

✓	—	—
✓	—	—
✓	—	—
✓	—	—
✓	—	—
—	—	✓

Completed By & Date: S. Palmer 6/16/06

LEVEL 2 REVIEW:

1. Level 1 checklist complete and verified.
2. Deviations, Anomalies, Holding times checked and approved.
3. Reanalysis documented and chemist notified.
4. Client specific criteria met.
5. Data entry checked and released in Quantims.
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).

✓	—	—
✓	—	—
—	—	✓
✓	—	—
✓	—	—
✓	—	—
✓	—	—

Completed By & Date: S. Palmer 6/22/06

Comments: des IA

Severn Trent Laboratories  
AIR TOXICS GRAVIMETRIC ANALYSES

## WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
	5 g wt	4.9997 051806skv0917	4.9998 051806skv1517	5.0002 061306skv1538	5.0002 061406skv1004	4.9999 061406skv1605		0.0001
H6LTN	pmbc051806- 651	051806skv0918	051806skv1517	060706skv0920	060806skv1226			0.0129
H6LTQ	pmbc051806- 652	051806skv0918	051806skv1518	060706skv0925	060806skv1227			0.0015
H6LT9	pmbc051806- 653	051806skv0918	051806skv1518	060706skv0926	060806skv1227			0.0138
H6LVC	pmbc051806- 654	051806skv0919	051806skv1518	060706skv0926	060806skv1228			0.0131
H6LVD	pmbc051806- 655	051806skv0919	051806skv1519	060706skv0927	060806skv1228			0.0154
H6LVE	pmbc051806- 656	051806skv0919	051806skv1519	060706skv0928	060806skv1229			0.0235
H6LVF	pmbc051806- 657	051806skv0920	051806skv1519	060706skv0928	060806skv1229			0.0139
H6LVH	pmbc051806- 658	051806skv0920	051806skv1520	060706skv0929	060806skv1229			0.0145
H6LVK	pmbc051806- 659	051806skv0922	051806skv1520	060706skv0929	060806skv1230			0.0135
H64GW	pmbc051806- 660	051806skv0922	051806skv1520	061306skv1538	061406skv1006			0.0112
	5 g wt	051806skv0922	051806skv1521	060706skv0930	060806skv1230			0.0001
	5 g wt	051806skv0922	051806skv1521					NC
H64G5	pmbc051806- 661	051806skv0923	051806skv1521	061306skv1539	061406skv1007	061406skv1606		0.0151
H64G6	pmbc051806- 662	051806skv0923	051806skv1521	061306skv1539	061406skv1008			0.0102
H64G7	pmbc051806- 663	051806skv0923	051806skv1522	061306skv1539	061406skv1008			0.0157

Severn Trent Laboratories  
AIR TOXICS GRAVIMETRIC ANALYSES

## WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
H64G8	pmbc051806-664	4.3617	4.3622	4.3765	4.3766			0.0144
H64G9	pmbc051806-665	051806skv0923	051806skv1522	061306skv1540	061406skv1008			0.0146
H64HA	pmbc051806-666	051806skv0924	051806skv1522	061306skv1541	061406skv1009			0.0120
H64HC	pmbc051806-667	051806skv0924	051806skv1523	061306skv1541	061406skv1009			-0.0008
	pmbc051806-668	051806skv0924	051806skv1523	061306skv1542	061406skv1010	061406skv1607		NC
	pmbc051806-669	051806skv0925	051806skv1524					NC
	pmbc051806-670	051806skv0925	051806skv1524					NC
	5 g wt	5.0003	4.9999	5.0000	4.9999	5.0000		0.0001

PDE115

Severn Trent Laboratories, Inc.  
 Inorganics Batch Review  
 QC Batch 6167337

Date 6/28/2006  
 Time 14:35:29

Method Code:JR Particulate Matter as PM10 "PM10 HIVOL" (CFR50-J)  
 Analyst:Steve Valmores

Work Order	Result	Units	LDL/dil	Prep: - Anal:	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
		g	0.0001	06/13-06/14/06	.00	N	R	0.0151	0.0001	1.00
H64GW-1-AA	0.0112	g	0.0001	06/13-06/14/06	.00	N	R	0.0151	0.0001	1.00
H64G5-1-AD	0.0151	g	0.0001	06/13-06/14/06	.00	N	R	0.0151	0.0001	1.00
H64G6-1-AD	0.0102	g	0.0001	06/13-06/14/06	.00	N	R	0.0102	0.0001	1.00
H64G7-1-AD	0.0157	g	0.0001	06/13-06/14/06	.00	N	R	0.0157	0.0001	1.00
H64G8-1-AD	0.0144	g	0.0001	06/13-06/14/06	.00	N	R	0.0144	0.0001	1.00
H64G9-1-AD	0.0146	g	0.0001	06/13-06/14/06	.00	N	R	0.0146	0.0001	1.00
H64HA-1-AD	0.0120	g	0.0001	06/13-06/14/06	.00	N	R	0.0120	0.0001	1.00
H64HC-1-AD	ND	g	0.0001	06/13-06/14/06	.00	N	R	ND	0.0001	1.00

Notes:

TEST	TOTAL #	SAMPLE #	QC #	TOTALS MATRIX #	OTHER #	MISC #	HOURS .0
	0	0	0	0	0	0	

RQC050

Severn Trent Laboratories, Inc.  
WET CHEM BATCHSHEET

Run Date: 6/16/06  
Time: 11:49:21

STL Sacramento

## PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	RE-RUN QC	RE-RUN MATRIX	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)  
 QC BATCH #: 6167330 INITIALS: *SN* DATA ENTRY: *SN*  
 PREP DATE: 6/13/06 15:32 PREP INITIALS: *SN*  
 COMP DATE: 6/15/06 10:08 ANAL DATE: *6/16/06*  
 USER: VALMORES

Work Order	Lab Number	Structured	Exp.	Analysis	Sample ID:
		Analysis	Del.	Date	
H64HD-1-AA	G-6F090224-009	XX S 88 AO 3W	Y-D	<i>6/14/06</i>	000487
H64HG-1-AD	G-6F090224-010	XX S 88 AO 3W	Y-D	<i>6/15/06</i>	000488
H64HH-1-AD	G-6F090224-011	XX S 88 AO 3W	Y-D	<i>6/15/06</i>	000489
H64HJ-1-AD	G-6F090224-012	XX S 88 AO 3W	Y-D	<i>6/15/06</i>	000490
H64HK-1-AD	G-6F090224-013	XX S 88 AO 3W	Y-D	<i>6/15/06</i>	000491
H64HL-1-AD	G-6F090224-014	XX S 88 AO 3W	Y-D	<i>6/15/06</i>	000492
H64HM-1-AD	G-6F090224-015	XX S 88 AO 3W	Y-D	<i>6/15/06</i>	000493

Control Limits

STL Sacramento  
Air Toxics Laboratory

# SEVERN TRENT

**STI**

## PARTICULATE ANALYSIS

## LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: 66F090224 - 9-15 Batch #: 6167330

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 6/16/04

ANALYST: J. Andrews

## **LEVEL 1 ANALYSIS REVIEW**

1. Samples are in good condition.
  2. Sample filter number matches the folder or petri ID number.
  3. Desiccator temperature and % humidity criteria in control.
  4. Balance calibration criteria met.
  5. Beginning and ending calibration sample bracket weights are in calibration.
  6. Samples reached stable weight.
  7. Samples exceeded 5 consecutive final weighings.

## LEVEL 1 DATA REVIEW

1. Benchsheet is complete.
  2. QAS or QAPP consulted and followed for client specifics.
  3. Data entered in properly.
  4. Copy of spreadsheet or logbook raw data entry attached to data package.
  5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.

Completed By & Date: SV 6/16/06

## LEVEL 2 REVIEW:

1. Level 1 checklist complete and verified.
  2. Deviations, Anomalies, Holding times checked and approved.
  3. Reanalysis documented and chemist notified.
  4. Client specific criteria met.
  5. Data entry checked and released in Quantims.
  6. Indication on benchsheet or spreadsheet on review and released (dated & signed).

Completed By & Date: Q6 6/22/06

**Comments:**

Severn Trent Laboratories  
AIR TOXICS GRAVIMETRIC ANALYSES

## WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
5 g wt	051806skv0911	5.0000	5.0003	5.003	5.0000	5.0000	4.9997	-0.0006
H6LVV	bctsp051806- 486	051806skv0911	051806skv1510	061306skv1532	061406skv1609	061506skv1007		0.0005
H64HD	bctsp051806- 487	051806skv0912	051806skv1511	060706skv0910	060806skv1211			0.0453
H64HG	bctsp051806- 488	051806skv0912	051806skv1511	061306skv1532	061406skv1001			0.0484
H64HH	bctsp051806- 489	051806skv0913	051806skv1512	061306skv1533	061406skv1001			0.0224
H64HJ	bctsp051806- 490	051806skv0913	051806skv1512	061306skv1533	061406skv1002			0.0372
H64HK	bctsp051806- 491	051806skv0913	051806skv1513	061306skv1534	061406skv1002	061506skv1610	061506skv1007	0.0797
H64HL	bctsp051806- 492	051806skv0913	051806skv1513	061306skv1534	061406skv1003	061406skv1611		0.0446
H64HM	bctsp051806- 493	051806skv0914	051806skv1514	061306skv1535	061406skv1003			0.0005
	bctsp051806- 4.94	051806skv0914	051806skv1514					NC
	bctsp051806- 4.95	051806skv0914	051806skv1514					NC
	5 g wt	051806skv0915	051806skv1515	060706skv0910	060806skv1211			0.0007
	5 g wt	051806skv0915	051806skv1515	061306skv1535	061406skv1004	061506skv1612	061506skv1008	0.0003

PDE115

Severn Trent Laboratories, Inc.  
Inorganics Batch Review  
QC Batch 6167330

Date 6/22/2006  
Time 13:33:23

Method Code:AO Particulates in Air, Suspended "TSP HiVol" (APP B)

Analyst:Steve Valmores

Work Order	Result	Units	LDL/Dil	Prep: 06/13-06/14/06 - Anal: 06/13-06/14/06	Total Solids	PSRL Flag	R/R	Rounded Result	Output Dil.
		g	0.0001		.00	N	R	0.0484	0.0001
H64HG-1-AD	0.0484	g	0.0001	06/13-06/14/06	.00	N	R	0.0484	0.0001
H64HH-1-AD	0.0224	g	0.0001	06/13-06/14/06	.00	N	R	0.0224	0.0001
H64HJ-1-AD	0.0372	g	0.0001	06/13-06/14/06	.00	N	R	0.0372	0.0001
H64HK-1-AD	0.0797	g	0.0001	06/13-06/15/06	.00	N	R	0.0797	0.0001
H64HL-1-AD	0.0446	g	0.0001	06/13-06/14/06	.00	N	R	0.0446	0.0001
H64HM-1-AD	0.0005	g	0.0001	06/13-06/14/06	.00	N	R	0.0005	0.0001

Notes:

TEST	TOTAL #	SAMPLE #	PRODUCTION QC #	TOTALS MATRIX #	OTHER #	MISC #	HOURS .0
	0	0	0	0	0	0	.0